

### Program Coordinator For UCSB Extension Sought

The Extension Division of the University of California, Santa Barbara is currently seeking a part-time program coordinator to handle its activities in the China Lake-Ridgecrest area.

### Star Party Set At Sandquist

The China Lake Astronomical Society will set up telescopes at Sandquist Spa tonight for a "star party," open to the public at 8 o'clock.

Weather permitting, visitors will be able to see such celestial objects as star clusters and gaseous nebulae within the Milky Way, and the annual display of Perseid meteors. A principal object will be the planet Jupiter, for which the best viewing is during twilight.

### Passes Available

Special Services has announced that season swim passes for the Center pool are still available. These annual ducats are priced at \$5 for a military family, \$7.50 for civilians, and \$5 for a single individual.

Special rates also are available on swim passes that are good for the summer only. Active duty military personnel are admitted free of charge to the Center's swimming pool at all times.

### Prof. From Japan To Speak Here Mon.

A technical lecture by a professor of chemistry from Osaka University in Japan will be presented at 10 a.m. Monday in Conference Room A of Michelson Laboratory.

The speaker will be Dr. Noboru Mataga, who will discuss "Photo-physical Primary Processes in Some Charge-Transfer Systems."

Dr. Mataga is in this country to attend the Gordon Research Conferences in New Hampshire.

particular interest in and concern for the continuing education of adults are invited to apply for this position, the pay for which is \$3.06 per hour.

Applicants should send details on their past job experience and educational background to: University of California Extension, Ellison Hall, Santa Barbara, Calif., 93106, attention: Mr. L. Nicklin.

Among duties of the UC Santa Barbara Extension program coordinator in this area are the maintaining of close liaison with local educational institutions in order to supplement their efforts at continuing education, and assistance in identifying and recruiting teachers for Extension Division courses.

### Catbird Seat...

(Continued from Page 10) as they can stock them. Chess clubs have sprung up and in many homes across the land, novices and experts alike are "playing the championship games" as they unfold in that tiny country in the north Atlantic Ocean.

Bobby's calculated war of nerves with Spassky is telling on the champion. Fischer was quoted recently as saying, "... I shall hold the championship for the next 40 years."

And he probably will.

### Man Rescued...

(Continued from Page 1) ing the accident victim, placed him on a portable stretcher they had carried with them, and lowered him 190 ft. into a steep-walled chute called the Mountaineers' Route up Mt. Whitney.

The Navy helicopter from China Lake was flown back to East Face Lake at 10 a.m. Monday and waited there for 1½ hours while Whitcomb was relayed down the mountain.

From East Face Lake the injured man was flown to the Lone Pine airport and then taken to the hospital at Lone Pine, where his injuries were diagnosed as dislocated ribs.



**JESSE KIPLINGER VS. MURIEL TATE**—One of the vignettes in "Plaza Suite", the CLOTA production continuing its run at the Burroughs High School Lecture Center this Friday and Saturday, concerns a successful Hollywood producer and his former high school sweetheart. The people who made it happen are (left to right) Loren Russakov, Act II director; Suzanne Koerschner, playing the role of Muriel Tate; Bob Pinney, playing Jesse Kiplinger; and Elena Vitale, Act II assistant director and sound coordinator for the entire production. Acts I and III are also set in Suite 719 of the Plaza Hotel and are directed by Arthur (Sandy) Schaper and Ralph Vuono, with Judy Vuono assisting. Tickets are available from the Gift Mart, the Center Pharmacy, or at the box office on performance nights.

—Photo by Ken Austerman

### Rev. Strathdee To Leave IWV For Board of Missions Position

The Rev. Fred Strathdee, a community leader who has been influential in the operation of the Desert Counselling Clinic at China Lake, will be leaving Indian Wells Valley soon.

A past president of the board, Rev. Strathdee served as executive director of the Desert Counselling Clinic for three months last fall prior to the arrival here of Dr. Ellis Cline, the clinic's present executive director.

Rev. Strathdee, who is the minister of the United Methodist Church in Ridgecrest, is currently serving on the clinic's board of directors.

The Methodist Church leader also has performed many other services of benefit to on-Center personnel. He was one of the founding members of Help Line, Inc., was past president, and is still on the organization's board of directors.

directors. Last year, Rev. Strathdee was honored by Help Line with the Award of the Golden Ear, the first such award given, for his outstanding support and participation.

In addition, Rev. Strathdee helped to found the Homemaker Service, an organization providing a trained corps of homemakers to families in distressed or emergency circumstances. He serves on the board of directors of many local organizations, including the United Fund, the NAACP, Meals on Wheels, the Salvation Army, the Indian Wells Valley Ministerial Association and the Reality Program.

A farewell reception in honor of Rev. and Mrs. Strathdee will be held on Sunday from 4 to 6 p.m. at the United Methodist Church, 639 Norma St. in Ridgecrest. Rev. Strathdee is leaving here to serve on the Board of Missions for the United Methodist Church.

## 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

FRI. 11 AUGUST

"FRIGHT" (88 Min.)  
Susan George, Honor Blackman (Suspense Drama) The pretty girl from "Straw Dogs," Susan, portrays a babysitter who is terrified in a remote house as she protects her charge, from a mental hospital escapee. It's shock and thrills galore. (PG)  
"Unarmed in Africa" (19 Min.)

SAT. 12 AUGUST

—MATINEE—  
"KATI AND THE WILDCAT" (65 Min.)  
Voice of Jim Backus  
"How To Play Golf" (7 Min.)  
"Saga of Windwagon Smith" (18 Min.)  
—EVENING—  
"HOW TO FRAME A FIGG" (103 Min.)  
Don Knotts, Joe Flynn (Comedy) Funniest frame-up of all time as a bunch of small town politicians blame their graft on poor snook Don who finally retaliates by playing detective with his computer. It's a crime if you miss this caper! (R)  
"Silent Witness" (9 Min.)

SUN. & MON. 13-14 AUGUST

"THE GRISSOM GANG" (128 Min.)  
Kim Darby, Scott Wilson (Action-Drama) Ma Grissom's 1930's gang kidnaps a pretty Kansas City heiress, asking a million dollars ransom and by the time you decide if this is a comedy or not 14 of 21 actors get killed off! A SLEEPER! (R)  
No Short Subjects

TUES. & WED. 15-16 AUGUST

"THE BOY FRIEND" (108 Min.)  
Twiggy, Christopher Gable (Musical-Comedy) The famed Twiggy is a delight in this spoof of the early film musicals, the toe-tapping extravaganza. She takes over when the star is injured and becomes a raging success. Loads of fun. (G)  
"Sulkies & Silks" (9 Min.)

THURS. & FRI. 17-18 AUGUST

"BIG JAKE" (106 Min.)  
John Wayne, Richard Boone, Maureen O'Hara (Western) Big Jake was a rough and tough loner until his wife told him to come home and rescue his kidnapped grandson! Then he joined his cycling grand son and an Apache friend and made his own brand of WAR! (PG)  
No Short Subjects

### YOUTH CENTER MOVIES

The Youth Center-sponsored movies for next week are as follows:

Tuesday, Aug. 15 — "Son of Kong," and "Hunting Instinct."

Wednesday, Aug. 16 — "Savage Sam," and a Walt Disney cartoon.  
Thursday, Aug. 17 — "Sancho The Homing Steer," and a Walt Disney cartoon.

Admission is free to Youth Center members whose dues are paid on a yearly basis and expire after Sept. 1. Admission is 25 cents to all others. Passes are not required.

The movies start at 1 p.m. in the Center Theater.

### GOLF LEAGUE STANDINGS

Team	Points Won
Devastators	27
Mulligans	21.5
NAF	19.5
Code 57	19
Code 5563	18.5
Code 551	17.5
Transportation	17
Big Spenders	17
Symposium	17
Short Knockers	15
BHS	14.5
Nightfighters	12.5

From \_\_\_\_\_

TO \_\_\_\_\_

PLACE STAMP HERE

# nwc rocketeer

Naval Weapons Center  
China Lake  
California

Vol. XXVII No. 32

Aug. 11, 1972

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## Harriers To Return For Weapon Delivery System Evaluation

China Lake will receive another visit from the little British "jump jet" when VMA-513, commanded by Major James Orr, USMC, deploys here once again to use the instrumented ranges of NWC.

The first increment of the squadron will begin to arrive on Tuesday, Aug. 15, and the Harrier aircraft will complete the deployment arrival on Friday, Aug. 18.

The 30 officers and 200 enlisted men, including one RAF flying squadron leader, will be billeted at China Lake during the squadron's month-long stay.

The purpose of the group's visit to China Lake will be to once again evaluate the Hawker Siddeley's weapons delivery systems. While here the Marines will take part in Operation Battle Cry, which will consist of 103 successful sorties based on 22 available working days, utilizing Charlie Range. The Marines will fly both night and day, during the week, and will stand down on weekends. As part of Operation Battle Cry, they plan to fly 100 successful sorties at NAS Pt. Mugu, under the auspices of VX-4.

In addition, squadron pilots will attend a Tailhook Reunion in Las Vegas, Nev., Sept. 8-10.

VMA-513 will bring 12 of the Hawker Siddeley aircraft to NWC. The Harrier, as the jet is called, represents a technical breakthrough as significant as the jet engine itself. It is the first fully operational, fixed wing Vertical or Short Take-Off and Landing (V-STOL) aircraft in existence.

This group succeeded in reaching (Continued on Page 12)

It is able to maneuver like a helicopter by the thrust of its jet engine through four swiveling exhaust nozzles. This V-STOL system has opened up the prospect of a completely new civil-transport system within the next decade.

The Harrier is used as a back-up to troops in battle and can carry a total weapon load of 5,000 pounds in various combinations of bombs, cannons and rockets. It is powered by a Rolls-Royce Bristol Pegasus 102 engine and also by the new Pegasus 103 engine.

Its unique ability to "brake" in flight makes the aircraft an exceptionally maneuverable fighter, and at full throttle it gains altitude so fast that last year the plane broke the world climbing record unofficially many times during tests held at Edwards Air Force Base.

Once again, during their stay at China Lake, the Marines will receive close support from NWC and NAF, and will be hosted by VX-5. In addition to billeting, the

(Continued on Page 3)

## Use of Smoke Detector Averts Fire

Sometime before 2 a.m. Monday an overheated fanbelt in the air conditioning system on the second deck of NWC's Personnel Building began to smolder and smoke. The smoke drifted down the air conditioning duct to the first deck.

At this point a fire that easily might have led to the complete destruction of the building was averted by the automatic smoke detection device located on the first deck. The device turned in an alarm to the Security Department's Fire Division, which promptly responded and quickly doused the smoking fanbelt.

"The smoke detector probably saved the building," stated Dick Maxwell, chief inspector for the Fire Division. "This is what early detection does."

This incident points out the usefulness of smoke detection devices. A recent article in the Western Navy Facility Engineering Command Acquisition Newsletter, entitled "Family Housing Protection," recommends installation of a relatively inexpensive, battery operated smoke detector called "Smokegard" in family housing units.

The detector unit is designed to wake sleeping occupants with an alarm when it detects products of combustion. Selling for about \$32 each, the units operate on three 4.5 volt batteries and are easily installed on the ceiling with the provided mounting cap.

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**INJURED MOUNTAIN CLIMBER HELPED**—Bent over as a result of injuries, later diagnosed as dislocated ribs, Jim Whitcomb, who was hurt Sunday in a fall while trying to climb the east buttress of Mt. Whitney, is shown being assisted by members of the China Lake Mountain Rescue Group as he left a Navy helicopter that was used to help get the injured man off the mountain. Whitcomb is shown sandwiched in between Bill Sweatt (at left) and Nick Bottka, both CLMRG members, while Dave Brown, another member of the volunteer organization looks on at right.

## China Lake Mountain Rescue Group Helps Climber Injured on Mt. Whitney

Members of the China Lake Mountain Rescue Group were called out Sunday to lend a hand in bringing to safety a Mountain View man who had fallen while attempting to scale the east buttress of 14,495 ft. Mt. Whitney.

The injured man, Jim Whitcomb, reportedly fell approximately 20 ft. due to an accident some time Sunday afternoon. A young woman who witnessed the mishap stayed with the injured man, while another mountain climber left to seek help.

Destined to stay overnight at the site of the fall, Whitcomb also was aided by other climbers in the area who brought him a sleeping bag and some water.

The call for assistance to the China Lake Mountain Rescue

## Board Adopts High School Dist. Budget

A budget for 1972-73 totalling \$23,721,709 was adopted following a public hearing held last week by the board of trustees of the Kern High School District, which includes Burroughs High.

At the same time it was announced by Dr. John W. Eckhardt, district superintendent, that a combination of increased state funds and assessed valuation will mean an additional \$680,000 to the high school district.

In addition, there is the possibility that the district also will receive an additional \$800,000 in state reimbursement due to losses suffered because of a reduction in taxes for agricultural land.

(Continued on Page 3)

Group was met initially by Dennis Burge and Nick Bottka, who were flown to East Face Lake just before sundown in a Navy helicopter piloted by Lt. Col John L. Pipa, USMC.

Co-pilot on the helicopter flight was Lt. John C. Macidull and ADR3 M. S. Stroschein went along as a crew member on the "chopper."

Three other CLMRG members, Bill Sweatt and Dave Brown, who also were aboard the Navy

helicopter, and Don Peterson, who traveled by car, remained at the rescue mission base camp at Lone Pine airport where they helped with communications work.

Early Monday morning, Burge and Bottka left East Face Lake with three other mountain climbers who had volunteered to help in rescuing the injured Mountain View man.

This group succeeded in reach-

## New Aid to Air Navigation Developed

By R. P. Moore, Head Microwave Systems Branch Electronic Systems Department

A self contained position fixing and navigation system using a passive millimeter wave radiometric (MICRAD) sensor and digital area correlation has been successfully flight tested by the Naval Weapons Center. This is the first real time, in-flight, demonstration of such a system.

The system has been suggested to the Federal Aviation Administration as a possible aid in air traffic control for congested air space in the vicinity of high volume airports. The system has the ability to operate under zero visibility conditions and projected mass production costs of the sensor-correlator are in the vicinity of \$5,000. It is expected that size of future production units can be eventually reduced to 200 cubic in. and 12 lb., requiring only a flat, 6 in., array antenna.

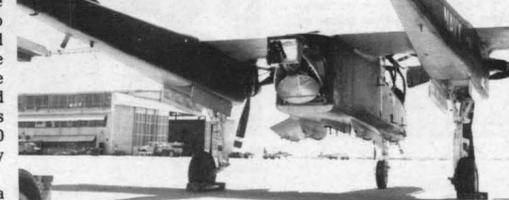
The experimental system used a NWC developed, Ka-band microwave radiometric mapper and a Hewlett Packard, 2114, general

purpose minicomputer. NWC developed area correlation techniques and software were employed.

Reference maps generated from aerial photographs were stored in the computer and correlated with incoming MICRAD data over selected waypoints to obtain air-

craft position. The minicomputer then computed the correct heading to the next waypoint or destination.

The 2114 program computes wind effects of aircraft ground velocity, utilizing these quantities in computation of the heading. (Continued on Page 3)



**NEAT PACKAGE**—The Ka-band antenna system and radiometer fits conveniently into the cargo space of a small, general purpose aircraft such as the OV10 Bronco shown above.



PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filled with the persons named in the ad. All other's desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2069. Current applications (SF-171) or Standard Form 172 should be submitted bringing your work history up to date if one has not been submitted within the last 4 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Administrative Officer, GS-341-9 or 11, PD No. 7245092, Code 456, One vacancy—This position is located in the Conventional Weapons Division, Propulsion Development Department. The primary objective of the position is to supplement the technical proficiency of Division scientific and engineering personnel with a high level of competency in the broad field of administrative management. The incumbent will be the principal member of the Division for developing and implementing procedures for financial management, personnel management, procurement, and maintenance of facilities, and will act as the key contact for coordinating the support of centralized staff activities associated with Division Operations.

Minimum Qualifications Requirements: Three years of general experience for the GS-9 and GS-11 and two years specialized for the GS-9 and three years specialized for GS-11. Job Relevant Criteria: BA-BS Degree or equivalent desirable. Broad background in management with demonstrated ability to analyze and solve complex problems encountered in the administration of a wide range of Research and Development Programs. Experience in finance, personnel program management and contract administration highly desirable. Advancement Potential: To GS-12 based on demonstrated ability to perform at that level.

File applications for the above with Linda Grassman, Bldg. 36, Rm. 20, PH. 2925. Electrical Engineer GS-855-11 or 12, PD No. 7240170, Code 4095—The incumbent's primary duties include the integration of test hardware and systems with test aircraft fittings and systems. Job Relevant Criteria: Experience in aircraft-system integration with the A7 aircraft. Aircraft Avionic system experience, installation and check-out of new equipment, experience on digital computers, inertial navigation sets and doppler and forward looking radar. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

Clerk-Typist GS-322-3 or 4, PD No. 7240039, Code 4041—This position is located in the Avionics Division of the Weapons Development Department. Incumbent performs secretarial and clerical duties for Associate Head, Avionics Division, and other employees of the division. Job Relevant Criteria: Demonstrated telephone reception skills, experience typing administrative and technical subject matter. Magnetic Tape Selectric Typewriter operation experience is desirable. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

Mail and File Clerk GS-305-3 or 4, PD No. 7240171, Code 4062—Receives, opens, screens and distributes all incoming documents classified secret and/or restricted data. Instructs department personnel in the procedure for correct preparation and handling of classified material. Assures proper filing.

(Continued on Page 9)

ENDS 20 YEAR CAREER—AO1 Donald Huxhold recently brought a 20 year Navy career to a close when he retired and transferred to the Fleet Reserve. As Mrs. Huxhold looks on, Capt. R. E. McCall, former Commanding Officer at NAF, hands AO1 Huxhold his certificate of retirement. Here since March, 1970, Huxhold worked recently at Middle Earth, the Desert Counseling Clinic's halfway house for young people with drug problems. The Huxholds and their two sons are headed for Roanoke, Va.

Library Lists New Books

LIBRARY HOURS: Monday-Friday: 2-9 p.m. Saturday: 10 a.m.-4 p.m. Readers are reminded that all employees, regardless of residence, are eligible and most welcome to use the Center Library.

- FICTION: Bazin—Tristan; Boyd—Gorgon Festival; Bragg—A Place in England; Burgess—One Hand Clapping; Ellison—Alone Against Tomorrow; Gaines—The Autobiography of Miss Jane Pittman; Garve—The Late Bill Smith; Goldberg—Karamov Equations; Harrison—Wolf; Kilina—The Last Centennial; Ludlum—Osterman Weekend; Merrill—First Blood; Selzer—Doctor in Judgment; Sherburne—The Way to Fort Pillow; Stern—The Rose Rabbi; Tidyman—Shaft Among the Jews. NON-FICTION: Burroughs—Southern Antiques; Campbell—Words to the Unwise; Chernov—The 1000 Best Short Games of Chess; Dupuy—The Almanac of World Military Power; Evans—Championship Chess and Checkers For All; Fairbank—The Story of Handwriting; Gunji—Buyo; Kerfoot—American Pewter; Lacy—The White Use of Blacks in America; Lash—Eleanor: The Years Alone; Lees-Milne—Saint Peter's; Lewis—A Collector's History of English Pottery; Luce—Body; MacSwiney—Six Came Flying; Makow—Anger; Massie—Essentials of Management; Morgan—Descent of Woman; Oleck—Law for Everyone; Risley—Technique of Creative Embroidery; Rubinstein—The Night Before Cookbook; Sunset—Chafing Dish and Fondue Cookbook; Sunset—Ghost Towns of the West; Sunset—San Francisco; Taylor—Swords and Plowshares; Willett—African Art; Wright—The Drawings of Frank Lloyd Wright; Wright—The Future of Architecture; Wright—A Testament.

The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake Lake, California R. Adm. W. J. Moran, USN NWC Commander

H. G. Wilson Technical Director C. E. Van Hagan Head, Technical Information Department

DIVINE SERVICES: PROTESTANT: Sunday Worship Service 1000; Senior High Sunday School, Annex 95 0830; College & Adult Sunday School, Annex 4 (across from Station Restaurant) 0830. Other classes held during school year only. Communion Service first Sunday of the month.

ROMAN CATHOLIC MASS: Saturday 1700 fulfills Sunday obligation; Sunday 0700 0830 1115

BLESSED SACRAMENT CHAPEL: MASS: Daily except Saturday 1135; First Friday only 1135 1700

CONFESSIONS: Saturday 1545 to 1645; Sunday 0800 to 0825

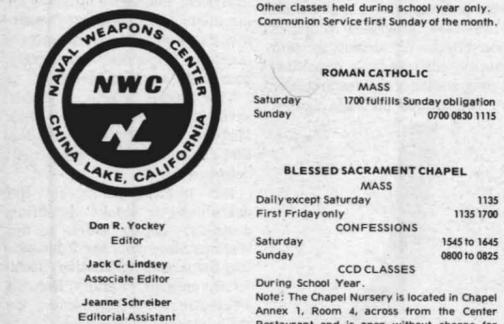
CCD CLASSES: During School Year Note: The Chapel Nursery is located in Chapel Annex 1, Room 4, across from the Center Restaurant and is open without charge for children of parents attending Catholic Mass or Protestant Worship Services.

JEWISH SERVICES: EAST WING - ALL FAITH CHAPEL: Services discontinued during the summer.

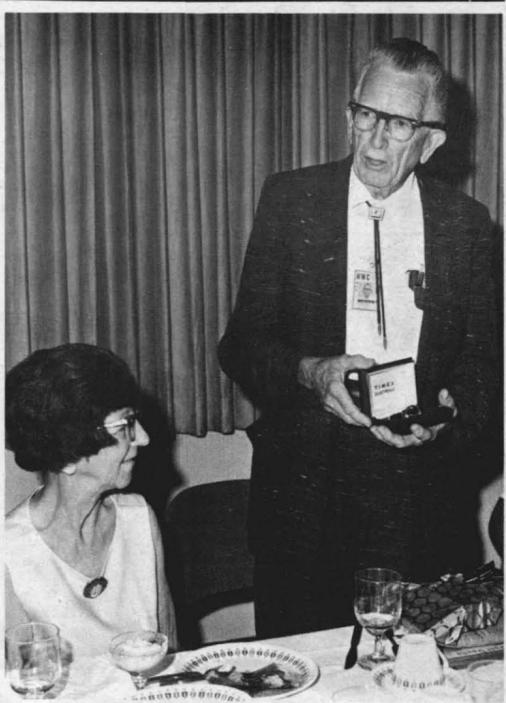
UNITARIANS CHAPEL ANNEX 95: PH1 D.C. Manderscheid, PH2 E. R. Ortiz, PH2 G. L. Taylor, PH3 R. G. Mills, PH3 D. W. Yeatts

DEADLINES: News Stories... Tuesday, 4:30 p.m.; Photographs... 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 appropriated funds by a commercial firm in compliance with NavExos P35, revised July 1970. 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 Sunday Services 1930



VX-5 OPEN HOUSE—A tour of the Naval Air Facility tower was part of the VX-5 Open House activities attended by squadron members and their families last week at Hangar One. The day's events included a tour of Charlie Range and the nearby NAF Fire Station, and film clips of squadron ordnance drops were shown. A crowd of some 150 persons attended. —Photo by PH2 E. R. Ortiz



LASER EXPERT RETIRES—At a recent luncheon at the Commissioned Officers' Mess, Dr. and Mrs. Julian L. Thompson were honored upon his retirement after 17 years at NWC. Dr. Thompson is shown here expressing his appreciation for a watch he was presented by his co-workers, while Mrs. Thompson looks on. He also was awarded a Dust Devils' Certificate and a Center plaque, which was presented to him by F. A. Chenault, head of the Systems Development Department. Before he came to NWC, Dr. Thompson was a college physics teacher for 35 years. His work here was principally in the laser field. Assigned to the Lasers and Electro-Optics Branch (Code 3041), he was Center coordinator for laser work for several years. He developed a TV tracking air detector and a laser tracker and range-finder. After their return from a trip to Australia, the Thompsons will settle in Lancaster and spend their summers in their cabin near Tehachapi.

Baby Hummingbird Grows Strong Under Care of Foster Mother

A baby hummingbird, cared for during the past three weeks by Tilly C. Barling, Natural Resources Specialist in the Public Works Department, has grown and developed to the point where its foster mother now expects to be able to turn it loose on its own today or tomorrow. Mrs. Barling undertook the demanding task of keeping up with the need for frequent feedings of the baby bird, which was brought to her by another NWC employee, Dr. Richard Kistler of Central Staff, after the latter found it lying in the middle of Nimitz Rd.

The baby bird initially was fed a mixture of sugar and water, but has since graduated to eating flowers from a test tube-type self-feeder in order to get the nectar that it needs to survive. Earlier this week, the baby hummingbird, which was being kept in a cage, was learning to fly by exercising its wings, but couldn't quite get airborne, Mrs. Barling reported.



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Housing Assignm'ts

Following are the housing assignments for the month of July.

Two B.R. Old Duplex Lt. Young; Vollmerhouse, GS-9; Long, GS-9; Hutmacher, GS-11; Erickson, GS-9; Forsberg, GS-9; Lt. Swanson; Lt. Bonny; Price, GS-12; Lundsrom, GS-12.

Two B.R. Old Duplex Large Back Porch Hulin, E3; Owens, GS-11; Hesley, GS-5; Hatzenbuehler, WGS; Moore, GS-5; Lauer, GS-9; Westaway, GS-12.

Three B.R. Old Duplex Lt. Sherman. Three B.R. Hill Duplex Bird, GS-12; Peake, GS-12.

Two B.R. JOQ Castle, O4; Monk, O4. Four B.R. Panamint Barsaloux, GS-13.

Three B.R. JOQ Col. Smith; Wimberley. Two B.R. Wherry Hansen, GS-7; Bailey, GS-7; Perez, E4; Carr, E5; Dembeck, E5; Harriman, GS-7.

Three B.R. Wherry Barlow, GS-7; Drum, E5; Naulta, E6; Olson, GS-7; Rahn, GS-7; Weston, WG-10; Wierman, E4; Parrish, E4; Hicks, GS-7; Leak, GS-7; Seal, GS-7.

Four B.R. Wherry Pepper, E4. Two B.R. Normac-Duplex Mumford, GS-12; Engle, GS-12.

Three B.R. Normac-Duplex Wille, GS-11; Cyrus, GS-12; Dr. Wu, GS-12; Robbins, GS-12.

Three B.R. Juniper Lt. Zobel; D'Anza, GS-13; Cadari, E8; Miyatake, GS-12; Li, Felton.

Three B.R. Yucca Brown, E7; Siemcke, GS-13. Four B.R. Joshua Vipperman, E8; McDonough, GS-13.

"O" Apartment Cameron, GS-9; Croft, GS-9; Jawore, GS-11; Bocanegra, GS-11; Trieu, GS-11.

"O" Motel Stelzmilller, GS-12. One B.R. Old Duplex Arnold, GS-9.

Two B.R. Normac Marquez, WGS; Fox, E3; Parker, E3; Riley, WG-10; Godsey, GS-5; Coleman, WG-10; Ward, E2; Cottingham, GS-3; Puckett, WG-3; Wells, GS-5; Tucker, E4.

One B.R. Apartment Brunson, GS-9. One B.R. Motel L.Cdr. Stepnesko.

Two B.R. LeTourneau Asher, WG-3; Armstrong, WG-3; Galfield, E3; Smith, GS-4; Dahl, GS-3.

Two B.R. Apartment Wagner, WG-11; Stainaker, WGS.

Junior Bowlers Invited To Vie For All-Star Team

Junior bowlers in the Indian Wells Valley are reminded that they have until noon tomorrow to sign up for Sunday's tournament, which is to be held to select an all-star team from this area.

Boys and girls 13 through 16 years of age are invited to participate in this program. Based on the scores of the tournament, a boys' team and girls' squad will be selected to be trained as an all-star contingent to represent this area. Persons who desire more information are asked to call Jack Lindsey, NWC Ext. 3354, during normal work hours.

Golf Club Plans 3-Club Tourney

The annual Three-Club golf tournament will be held at the China Lake course on Saturday, Aug. 19. This is a unique event which allows the participating golfer to use only three clubs for the entire 18-holes.

A sign-up sheet is located in the clubhouse. Entry fee is \$2. Full SCGA handicap will be allowed to all entrants.



IEEE OFFICERS—Recently elected to serve as officers of the China Lake Section of the Institute of Electrical and Electronic Engineers were Ray Caruso (standing), chairman; and (seated, left to right) Dave Matthews, treasurer; "Buzz" Teeter, vice chairman; and Dave Brown, secretary. The new officers were installed at a recent luncheon meeting of the IEEE at which members heard two vice-presidents of Dean Witter & Co. of San Bernardino speak on the topic "Personal and Corporate Investment Planning for the Engineer."

143 Local Scouts Visit Camp During Summer

A total of 12 troops from the China Lake-Ridgecrest area this summer sent boys to Camp Kern at Huntington Lake, as a part of the year-around camping program of the Southern Sierra Council, Boy Scouts of America. Ranging from Troop 889, sending two boys, to Troop 848, sending 24 boys, local Boy Scout troops accounted for 143 Scouts at Camp Kern this summer.

Richard McDougal, camping chairman for the Southern Sierra Council, points out that the "traditional strengths of Scouting, which will continue to be important parts of the improved Scouting program to be launched in the Southern Sierra Council next September, are most effective in summer camp." McDougal explained that one of the most important strengths comes with the use of the patrol method, through which the boys learn how to get along with others by actually running their own troop through the troop leaders' council.

He added that another strength comes through the traditional boy-scout relationship, giving the Scoutmaster the opportunity to be a coach and counselor in a relaxed relationship with the boys. While each troop takes part in its weeklong camping experience, the boys have many opportunities to learn Scoutcraft and aquatic skills, as well as leadership and team-building abilities.

The swimming program encompasses lifesaving instruction up to the level of lifeguard qualification, a course leading to a mile swim, and instruction of each troop on unit safe swimming.

"Plus just general good fun," added Leon Nelson, District Scout Executive. Nelson concluded, "The parents can expect to get home a week later a real tired, satisfied-looking young man with a knapsack full of dirty clothes."



TECHNOLOGY TRANSFER ACTIVITIES EXHIBIT—Visitors to the NWC technology transfer exhibit, prepared for the American Institute of Aeronautics and Astronautics (AIAA) urban technology conference, admire the photographs and art work of the Exhibit Branch, Presentations Division, TID. Ray Sinnott prepared the exhibit which he took to San Francisco for showing July 24-27 at the Convention Center there. A newly-printed pamphlet which spelled out in detail the technology transfer activities at the Naval Weapons Center, was handed out to visitors. The conference was also attended by George Linsteadt, head of the Technology Utilization Office at NWC. —Photo by Ray Sinnott

Employee In The Spotlight

By the time you read this, Doug Lind and his family will be sailing a 35-ft. sloop on Puget Sound. That's a long way from the steel mills of Wilksburg, Pa., where he grew up.

Wilksburg is a suburb of Pittsburgh. Doug's father worked for Jones and Laughlin, a steel company, as a safety inspector. "I worked in the mill during the summers while I was attending Penn State University," Doug recalled. "That was enough to spur me on to becoming a chemist."

Doug had wanted to be a chemist as far back as he could remember. After his graduation from Wilksburg High School he attended Penn State and was graduated in 1952 with a BS degree in chemistry. He then entered the University of Oregon, where he earned his Master's degree in 1954 and a Ph.D. in 1956.

While at Oregon, Doug met his wife, Judy. "She was a chemistry student in one of my classes," he said. Judy switched to a chemistry major because Doug was a teaching instructor at Oregon. The couple married in 1955.

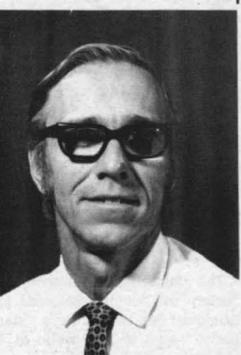
Judy, who Doug says "... has been a real partner in their life together," holds a Master's degree in chemistry from Oregon. Following the awarding of his doctorate, Doug joined Code 4541 at NWC, and has remained with the Code for 15 years. He was promoted to head of the Explosives Research Branch in 1965, then that branch was combined with the Explosives Application Branch, under Jack Sherman, in 1971. Sherman retired early this year and Doug was made head of the combined branch, now known as the Explosives Branch, Applied Research and Processing Division, Propulsion Development Department.

Over the years, Doug has written many reports and papers, most of them classified. "I guess you might say I've never made too much of a splash," he pointed out. "I work in a field where I work on materials, and in so doing, I (and the branch) develop many materials that people never hear about," he added.

Doug has done a lot of work on plastic bonded explosives. "The branch has developed most of the plastic bonded explosives currently in use in the free world," he stated. Doug began work as an organic chemist, then early in his career switched to mostly physical chemistry. "Now the work I do is mostly physics," he explained.

In recent years he has delivered approximately 25 papers evaluating the performance of board sailboat, and once built a Sabot, an 8-ft. sailboat. Doug also enjoys photography and likes to build things out of wood. He also grows cacti for a hobby and has approximately 150 different kinds of plants in a backyard greenhouse, which he built.

The Linds belong to a boat club at Marina Del Rey (the Transpac Sailing Club), where they have learned to sail the bigger boats. The driving factor in his life is a simple one, based on Unitarian philosophy. "I learn to do all that I am capable of doing," he stated.



Dr. C. Douglas Lind

Doug talked to other interested persons and a meeting was finally held at the Grace Lutheran Church, and Help Line (now in its third year of service) was formulated.

During a recent meeting of Crisis Intervention centers across the country held at Monterey, Calif., Doug found that with just two years of experience that he was an "old timer" in the field. He has made many other contributions to the community. He is currently the director of training for Help Line. He is also a past president of the Desert Community Hospital Association and of the Unitarian Fellowship. For a number of years, Doug belonged to the Indian Wells Valley Search and Rescue Group.

Doug is a member of the American Chemical Society, and as a past member of Sigma Xi, now belongs to RESA. Judy doesn't work as a chemist, but, according to Doug, "... she's always doing something." She works at the Center as a WAE and in recent years would fill in at the Valley Independent as a writer or editor during summer vacations. She also handles publicity for various organizations, such as Help Line and the Unitarian Fellowship, and is the present treasurer of the United Fund.

Judy also helped to found the Kern Memorial Society and in the past has been involved in a committee to study the objectives of the local schools. "Between the two of us," Doug explained, "we're never out of something to do."

They have two children, Karen, 15, and Karl, 12. Karen is a violinist and Karl plays the clarinet. Both children have attended the Arrowbear Music Camp for the past several years and sometimes, with Judy (a pianist) fill the Lind home with the sounds of music.

The major family recreation centers around backpacking and sailing. Doug owns a 14-ft. center board sailboat, and once built a Sabot, an 8-ft. sailboat. Doug also enjoys photography and likes to build things out of wood. He also grows cacti for a hobby and has approximately 150 different kinds of plants in a backyard greenhouse, which he built.

The Linds belong to a boat club at Marina Del Rey (the Transpac Sailing Club), where they have learned to sail the bigger boats. The driving factor in his life is a simple one, based on Unitarian philosophy. "I learn to do all that I am capable of doing," he stated.



In The Catbird Seat

By Jack Lindsey
A new dimension has been added to the competitive cold war between Russia and the United States.

The game being played is chess, and the occasion is the world championship, and the players are Bobby Fischer (U.S.) and Boris Spassky (Russia).

The current standings in the 24 game match when this column was written (Monday, Aug. 7) are Fischer, 6.5 points, against Spassky's 4.5 points.

Perhaps the most surprising element of the championship match is that the challenger is the underdog here in America, despite his 2 point winning margin.

Fischer has raised Cain about his chair, the size of the squares on the board, the movie cameras (which he had agreed to prior to the match), the lighting in the hall, spectators, and many other points.

His chess playing, though, is a horse of another color. At the board he has been anything but cool, making minor fluffs and blowing game points to the wizardry of the American.

Fischer will win—and it is my opinion he deserves to win. For many, many years he has been the finest chess player in the world.

Once the present tournament style of play came into being, it was only a matter of marking time until Fischer finally got into a title match. Under the old round-robin format, the Russians drew against each other in an almost-calculated method of retaining the world crown in the Soviet Union, and all of the gripes that Fischer has been airing for the past decade have been, for the most part, true.

Whether he wins or loses, however, and whether or not he is backed solidly by the Americans, Bobby has been good for chess in this country.

Retailers all over the nation have been selling out chess sets as fast

(Continued on Page 12)



ASTROS VICTORIOUS IN T-BALL CHAMPIONSHIP—The China Lake T-Ball Championship was captured last month by the Astros, who won the play-off by sneaking past the Lions in a 14-13 thriller.



James Gang Tops Pioneers, 12-11 In Title Match

The James Gang emerged as the No. 1 team in the Intramural Slo-Pitch League last Monday night by barely slipping by the Pioneers, 12-11.

The Pioneers, Division A champs, came into the final contest with a season record of 16 wins and 0 losses.

Richard Lassell and Dale Dowd both came through with home runs for the James Gang and John Machowsky became the hero of the evening when he singled to drive in the winning run in the ninth inning.

Jim Armstrong Represents NWC In Golf Tourney

Chief James Armstrong represented the Naval Weapons Center in the recent 11th Naval District golf tournament held in Long Beach.

Chief Armstrong won the northern division match and then went on to play in the southern division championship which began in San Diego last Monday on the Admiral Kidd golf course.

The four players who emerge from this contest with the lowest gross scores will go on to the regional finals to be held at Whidbey Island, Wash.

Blue Cross Man

Gordon Ellis, the Blue Cross-Blue Shield representative, will be at the Community Center next Tuesday, from 10 a.m. until 2 p.m., and Wednesday, from 8 a.m. until 2 p.m.

Improved Hunting Forecast For California Early Deer Season

California's early deer season began last Saturday, and despite extremely hot, dry weather with attendant water shortages, improved hunting is forecast for the deer hunters.

The Department of Fish and Game said that a combination of factors other than weather—a good buck carryover and a revised tag system, among them—should increase this season's harvest in 12 of the 24 early season counties.

The forecast for Kern County is expected to be poor, about equal to last year's 102 in areas of sparse deer population. Because of an exceptionally dry year, deer are in only fair condition and antler growth has suffered because of poor feed conditions.

Deer will be concentrated near watering sites, and public hunting is confined to Los Padres National Forest. Hunters are advised to check in at Chuckpate Ranger Station for fire permits, area maps

Jesse Moreno Chosen July 'Athlete of the Month'

Jesse Moreno, son of Mr. and Mrs. Rudolph Moreno, of 314-B Thompson St., China Lake, has been selected as Athlete of the Month for July.

Jesse is 12 years old and has been playing Little League baseball for some five years. He first started playing as a pitcher and over the years he has developed his skill in many ways.

Jesse's many years of practice and coaching by his father was apparent in the recent 51st District Little League tournament when China Lake faced the Ridgecrest team.

Jesse plans to continue to play ball and will enter the Pony League next year. When asked if he was going to continue to pitch he replied, "If they want me to."

Bud Eyre, Valley Merchants Teams To Clash on Wednesday for Crown

The Intramural Fast Pitch League is rapidly drawing to a close and the suspense is mounting as two teams are currently tied for first place.

The Bud Eyre and the Valley Merchants nines both now have a season record of 13 wins and 4 losses. These two teams will face each other on Reardon Field next Wednesday at 8:30 p.m. for the championship.

Last week in fast pitch action, the A&L Tire team lost two games. They gave up the first one to Texas Instruments, 10-6, and then later in the week dropped another one, as NAF threw them a loss, 15-5.

After winning over A&L Tire, both NAF and Texas Instruments let one slip by them as Bud Eyre smashed first NAF, 10 to 0, and picked up another win over the Texans' team, 9-4.

Ace TV played two games this



Jesse Moreno will again be seen on the mound. Jesse has thought that he would possibly look into the Major Leagues in the future as a possible career, provided he continues to develop.



FIREMEN REVISIT SCENE OF POTENTIAL FIRE—Kneeling in the second deck utility room of the Personnel Building, Lt. Juan Romero, of the Security Department's Fire Division, inspects a portion of the building's air cooling system.

Extra Care Necessary In Filing Health Plan Claims

Federal Employees Health Plan claims adjudication reveals many errors by all participants.

It has been discovered that employees should read the Federal Health Insurance Plan information booklets which are given to them at the time of enrollment more carefully.

Employees are reminded to be certain that they have let the billing office at the clinic, doctor's office, or hospital know what kind of insurance they have and what the status of the insurance is.

The responsibility for filing of insurance claims rests with the employee. In the event of considerable illness, a subscriber-patient may need to become his own bookkeeper.

Each plan is different insofar as claim filing is concerned. The Service Benefit Plan (Blue Cross-Blue Shield) requires that the basic charges be filed by the hospital and/or doctor.

In the case of the Indemnity Benefit Plan (Aetna) and Government Employees' Hospital Association Plan, the employee has the responsibility for filing his own claims unless the doctor or hospital permits him to sign over his insurance to them (the deductible for Aetna and GEHA is \$50 for self or three \$50 deductibles for a family each year).

Doctors and hospitals sometimes charge a fee for filling out claims

Fire Detected...

(Continued from Page 1) Smokegard detector is Model 700, manufactured by Statitrol Corp., 140 So. Union Blvd., Lakewood, Colo. 80228.

A recommended "partial protection" plan would provide a considerable measure of life safety at the cost of \$200 to \$400 per set of quarters and would involve installing one smoke detector in the living room, one in the hallway, and one in a bedroom.

Although NWC has no plans to install smoke detectors in Center housing, tenants may wish to protect themselves and their property with these devices. Further information may be obtained by calling the Fire Prevention Office at Fire Station No. 1, phone 2062 or 2095.

Budget Set...

(Continued from Page 1) In view of the additional funds, district officials expressed the hope that by next year there would be enough new funds coming to the district to enable the sixth period, which was eliminated two years ago, to be restored.

It is anticipated that the current restoration of funds will begin to bring the program of the Kern High School District back up to the 1968 level, which, according to Dr. Eckhardt, was "the last year we had a properly financed education program."

VMA 513...

(Continued from Page 1) squadron will be supplied with transportation to use during its visit, and will use Hangar 1 as its working area.

VMA-513 is home-based at Beaufort, S. Car., and will use the ranges here because there are no instrumented ranges on the east coast of the United States, except for one in Puerto Rico.

The squadron will depart China Lake on Sept. 22.



AIR FORCE OFFICER COMMEDED—An Oak Leaf Cluster to accompany an earlier award of the Distinguished Flying Cross was presented last week to Air Force Maj. Michael D. Hall (at left) by Rear Adm. W. J. Moran, Commander of the Naval Weapons Center.

Navy Officers Invited To Apply for Fellowships

Applications for the Fiscal Year 1973 Secretary of the Navy and Chief of Naval Operations Fellowship Program are now being accepted by the Chief of Naval Personnel.

All commissioned officers with 6 to 11 years of active commissioned service are eligible to apply for the fellowships. Applications will be accepted through Oct. 1.

The selection of the two fellows will be based on background, education and professional performance. The fellowship program was established last year to give young officers a chance to take part in top-level decision making

and policy formulation. Lt. Col. Bernard McMahon, the present SecNav Fellow, was a project officer for the recently signed Incidents at Sea Agreement with the Soviet Union.

Navigation Aid...

(Continued from Page 1) minicomputer also controls radio-meter operation and drives displays. In a commercial version, the general purpose minicomputer would be replaced by a low cost special purpose unit.

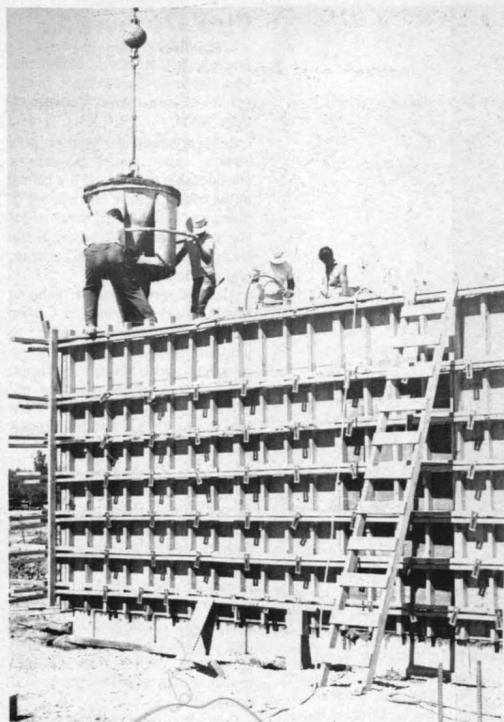
Used in air traffic control, a MICRAD-Correlator system could provide precision navigation or course control during zero visibility conditions without receipt of transmitted signals, eliminating the need for costly ground stations. Passive operation eliminates interference from other aircraft using the same system.

It would be possible to establish closely spaced skyways with both position and speed controlled by the MICRAD correlator system once initial entry is made. The projected price and size make the system practical for commuter and many light aircraft.

With a larger antenna and scanning, the system can produce a ground map for the pilot, which would be useful for orientation under zero visibility conditions.



SPECIAL GEAR INSTALLED—Equipment that is used in a self contained position fixing and navigation system that has now been successfully flight tested by the Naval Weapons Center is shown as it was about to be installed aboard an OV10 Bronco. This system, which uses a passive millimeter wave radiometric (MICRAD) sensor and digital area correlation, has been suggested to the FAA as a possible aid in air traffic control for congested air space in the vicinity of high volume airports.



**A SAFE PLACE**—Residents of the Indian Wells Valley will be able to relax soon when the three bank vaults, pictured here, are completed. Under construction are, clockwise beginning at left: the new vault at the NWC Federal Credit Union, the vault at the site of the new Bank of America, and the new Security Pacific National Bank's vault. The three new financial institutions will be safe places to harbor that extra cash anyone may have laying around the house.

### Six Local Girl Scouts Make 75 Mile Backpacking Trip Through Rugged Sequoia National Forest

Six local girls recently enjoyed an 8-day backpacking trip in the high Sierra. The girls, Holly Breslow, Mona Simmons, Janet Gardner, Diane VanDevender, Judy Schaniel and Christy Corzine, took the 75-mile hike as an organized part of their 2-week long stay at the Mountain Meadows Girl Scout Camp in the Greenhorn Mountains. Three other girls and two counselors from the camp accompanied the local hikers. One of the counselors was Kitsy Kelly, a graduate of Burroughs High School and daughter of Dr. Howard Kelly, longtime employee of NWC, now teaching at Humboldt State College.

The opposite extreme saw them hiking only 2 miles on a "layover" day. The trip provided a sense of accomplishment and adventure the girls will remember for a long time. Reminiscing this week about their trip, the girls recounted several adventures involving animals. One night as they were sleeping near the Guard Station and Cattle Camp at Grey Meadow they were attacked by a pack of 21 dogs. Shocked response to this story elicited the information that a number of these dogs were "ferocious baby German Shepherds," that the girls "scrunch-down in our sleeping bags" to evade the attack, and later fed the

dogs to placate them. A chorus of voices attested that "we also got attacked by a horse," "No, we woke up at night and saw him staring down at us," and "A cow chased us too." After all this animal hostility, would the girls do it again? The question was answered with a chorus of enthusiastic "yeahs" and the additional observation that "we all want to go back to Silver Lake—it was beautiful." The only place the girls didn't like was West Meadows. Too many mosquitoes, they said. Two other girls from China Lake (Cindy Hart and Jean Marie Thelen) plan to take a similar hike during the camp session now in progress.

The last session this summer at Mountain Meadows (Session IV) will be held from Aug. 13 to 26. A few openings at the camp are still available. The camp experience at Mountain Meadows encompasses a wide spectrum of outdoor and creative activities and nature studies. Last minute inquiries about Session IV will be answered by the Council Service Center in Bakersfield, phone 327-1409. Camp fees for the two-week session are \$40 for registered Girl Scouts and \$50 for non-Scouts.

### Appointments Being Taken For Road Tests

Persons requiring a road test as part of their qualification for a government motor vehicle operator's identification card (SF46) will find that appointments are now being set up on Wednesdays with an examiner, an employee of the Public Works Department. Employees may report to the Safety Department, Driver Education Center, corner of Nimitz and Hussey, with an application signed by their supervisor, between 7:30 and 8:15 a.m., Monday through Thursday. At that time the applicant will be given the written test and physical evaluation in accordance with the guidelines of NAVWPNSCENINST 5100.6B.

Those requiring a road test will be given an appointment on the following Wednesday. A resident of a China Lake dormitory while he is here, Siatu'u cheerfully says, "I'm doing fine - getting along real well."



**READY FOR A HIKE**—Dressed as they were for their recent 75-mile backpacking trip are (standing l. to r.) Diane VanDevender, Mona Simmons, Janet Gardner and (kneeling l. to r.) Holly Breslow and Judy Schaniel. Not pictured is Christy Corzine, who also made the long hike. Members of Cadet Scout Troop 206, the girls would like to do more hiking in the Sierra Nevada.

### Samoan Gets Job Training In Personnel

"I want to get some training and experience on how the program here works so I can go back home and introduce it in our own government," said Sapini U. Siatu'u, a unique add-on to NWC's Personnel Department.

A citizen of American Samoa, Siatu'u was sent here for a year by his government to obtain training and information on personnel techniques. He is particularly interested in learning how the NWC Personnel Department classifies jobs and sets grades. For the past year he has been working in his country's Civil Service in that specialty and plans to return to classification work at the end of his tour here.

Before he went into classification work, Siatu'u was the Housing Officer for the government of American Samoa.

This is not the first time he has visited the United States. Siatu'u's college years were spent here at Warren Wilson College in Swannanoa, N. Car., and at Simpson College in Indianola, Ia.

Siatu'u arrived at China Lake on June 19. China Lake's recent temperatures are not difficult for him to adjust to, he says, since his



Sapini U. Siatu'u

country, too, is hot. In a reverse twist to the usual platitude, he says of the local climate, "It's not the heat, it's the lack of humidity!"

The story of how he got to China Lake involves his boss in American Samoa, Mrs. Bernice Struhs, Wage and Classification Officer, who knew similarly employed specialists in San Francisco who, in turn, knew Ray Harrison, head of NWC's Personnel Department. This international network of friendships resulted in Siatu'u's present association with NWC. "I wish to show my appreciation and thanks for the help that Ray Harrison has given me," Siatu'u said. "Without his help I wouldn't be here."

For the first part of his tour here, Siatu'u will be spending a week in each division of the Personnel Department, observing and learning the various aspects of personnel work. Later, he will work as a personnel specialist for the Public Works Department. "I think they are putting me in Public Works because most of the work is similar to the work we have back home," he explained.

A resident of a China Lake dormitory while he is here, Siatu'u cheerfully says, "I'm doing fine - getting along real well."



**FAREWELL PARTIES HELD FOR LCDR ST. GERMAIN**—Ben Hartman, head of the Security Department's Security Operations Division, holds a plaque which he presented to LCDR. R. M. St. Germain (left, rear) during a farewell party arranged by his co-workers for their department head that was held on July 28. Also shown are LCDR. St. Germain's wife, Lillian, and (at right) Ralph Levenberg, associate head of the Security Department. During an "all hands" farewell party on Aug. 3 for LCDR. St. Germain, who is the last Navy officer to hold the position of head of the Security Department which is soon to become a civilian post, also received a number of other mementos of his tour of duty at China Lake. An NWC plaque was presented to the head of the Security Department by Capt. D. W. Alderton, NWC Deputy Commander. In addition, the Order of the Purple Sage, an NAF plaque and a Dust Devil certificate were presented to LCDR. St. Germain by H. G. Wilson, NWC Technical Director; Capt. Robert Moore, commanding Officer of the Naval Air Facility, and by Capt. T. R. Hendershot, NWC Director of Supply, respectively. LCDR. St. Germain's next assignment will be that of first lieutenant on the USS Coral Sea, homeported at Alameda after a 7-month tour off the coast of Vietnam. Transferred to NWC in June 1970, LCDR. St. Germain took over position of head of the Security Department a month later.

### Phone Listing Changes Due by Aug. 31

The Communications Records Office (Code 8544) reminds all organizations on-Center that changes in telephone listings must be submitted no later than Aug. 31 in order to be included in the next NWC telephone directory. All departments, divisions and branches are requested to review

their listings, both in the personal and classified sections of the directory. All changes in name or military rank of the individual, home address and/or telephone number, code, building or room number or office telephone number should be submitted to Code 8544 on Direc-

tory-Locator Cards (11ND-NWC-5400-2), available from Telemart. Code 8544 will not accept changes over the telephone because of the additional chance for error.

"Your cooperation in submitting cards for all future changes as they occur will assist in maintaining accurate and complete records for the telephone directory and the information operators," LCDR. C. E. Richno, Communications Officer, reminded NWC employees. He also asked that a card be submitted to Code 8544 for each new permanent employee, but not for temporary, WAE or summer hire employees.

### Opportunities...

(Continued from Page 2)

storage and disposition of documents, correspondence, etc. Job Relevant Criteria: Familiarity with mail and file procedures. Personal work contact experience requiring tact, judgment and discretion. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

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

Secretary (Typing), GS-318-4 or 5, PD No. 7135127, Code 392—Incumbent is secretary to the Head, RF Development Division, Electronic Systems Department. Performs regular secretarial and typing duties. As secretary to Head, RF Development Division, receives and screens all on and off-Center visitors; maintains Division Head's calendar; receives, opens and screens all personally directed correspondence and prepares replies on routine and non-technical matters. Informs, instructs and coordinates secretarial help in subordinate offices in accomplishing the work of the Division. Reviews all out-going official Division correspondence for conformance with Center and Department procedures and policies. Minimum Qualification Requirements: GS-4; Two years general clerical experience. GS-5; Two and one-half years general clerical and six months specialized secretarial experience. Job Relevant Criteria: Incumbent must be proficient typist and be thoroughly familiar with policies and procedures for reviewing official out-going correspondence.

File applications for the above with Sue Prastowicz, Bldg. 34, Rm. 206, Ext. 2577.

Secretary-Stenographer, GS-318-4—Serves in office manager capacity at Headquarters, Death Valley National Monument, Furnace Creek, CA. Stenographic skills required. Economical housing available. Qualified applicants are invited to call collect - Roger Weber, Administrative Office (714) 788-2331.



**SPECIAL CLASSES VISIT NAF**—Four Special Classes from the summer school program at Groves Street School recently visited the Naval Air Facility on a field trip. Escorted by Lt. Michael Scott and ACCS Larry Boyd, the classes of Mrs. Esther Mathews, Mrs. Frances Morgan, Mrs. Eleanor Phillips and Mrs. Cathy Atwood, inspected the fuselage and checked out the instrument panel of a C-131, viewed aircraft arrival and departure from the NAF tower, and took turns on the stainless steel slide from topside at the NAF Firehouse. Concluding their trip, the classes joined together at McBride Park for a picnic lunch. Classes participating in the field trip were the Deaf and Hard of Hearing Class, the Deaf Class, the Asphasic Class and the Physically Handicapped Class.

### Owens Valley Has Many Scenic Points of Interest

(Editor's Note: This is the first in a series of articles about points of interest and vacation spots within close proximity to the Naval Weapons Center. It is planned to publish an article at regular intervals in The ROCKETEER, generally to aid newly hired employees of the Center to learn more about the history and background of Eastern California.

From time to time articles of interest will be guest written by persons at the Center who are well versed in such activities as backpacking, mountain climbing, fishing, hunting, and just plain sightseeing.)

By Jack Lindsey

Just one hour's drive north of the Naval Weapons Center, on Highway 395, lies the Owens Valley. Bordered by the scenic High Sierra Mountains on the west and the White and Inyo Mountains on the east, Owens Valley stretches from just below Olancha over 80 miles to the city of Bishop in the north. Visitors to the Owens Valley region will pass through or near many other historical points of interest in the journey north. Little Lake, situated in Rose Valley, is approximately 30 miles northwest of the Indian Wells Valley. The lake is privately owned but sportsmen may fish there without a license and without a limit by paying a set fee to the owner.

Of interest to photographers, the Owens River carved a gorge at the base of a great lava flow here on its way from Owens Lake to China Lake many years ago. North of Little Lake is Fossil Falls, which consists of two steep walls of rock, each approximately 20 ft. in height, formed when the basalt lava rock was worn by the Owens River thousands of years ago. The turnout to Fossil Falls is located three miles from the Little Lake Hotel.

Dirty Socks Pool, a name supposedly given the deep artesian well located on the south shore of Owens Lake by miners who used the well to wash and bathe in, can be reached by turning east at Olancha on Highway 190. After travelling about five miles, a sign will lead visitors to the pool. The water gushes from a deep artesian well drilled in 1919 into a circular concrete structure, 60 feet in diameter. The area has been

developed by Inyo County into a park and picnic area.

Lone Pine is often called the gateway to Mt. Whitney, west of Highway 395. The Whitney Portal area is reached by turning left off the highway (while heading north) onto the Whitney Portal Road and proceeding 13 miles on a winding road up into the Sierras. The Portal area is a cool, picnic spot, just great for a summer-time visit, and backpackers and climbers often push off from this area on extended foot trips into the Sierras.

The picnic area itself is the beginning of the 10.5 mile trail to the top of Mt. Whitney, the second highest mountain in North America. The trail is clearly marked and requires no mountaineering skills to traverse, other than stamina and ability to withstand high altitudes.

Alabama Hills About six miles north of Lone Pine is a road, marked "Alabama Hills Scenic Route." During the Civil War, Confederate sympathizers discovered placer gold in these hills and named the area for the famous Confederate cruiser, Alabama.

An 18-mile long loop trip, the route offers many possibilities for picnics (bring your own water) and for exploring. Many of the rock formations have names and resemble well known characters. These hills have been the setting for many movies and television shows.

In the next travel article, the area of Owens Valley north of Lone Pine will be covered, including the side trips to the Bristlecone Pine area.



**COMMUNITY PROJECT**—George Pomeroy, an NWC employee who is serving as architect on the development of golf driving range and miniature golf course—the next major undertaking of the Ridgecrest Improvement Committee—is shown reporting on the latest information concerning this recreation facility during Tuesday's third anniversary luncheon meeting of the RIC. An estimated 70 persons attended the committee luncheon, during which a cake decorated with three candles was cut and served to celebrate the occasion. Under the chairmanship of Ted Edwards (at right) also an NWC employee, the Ridgecrest Improvement Committee has brought state and national acclaim to the Indian Wells Valley for the success of its area-wide cleanup campaigns. A summary of the RIC's activities during the three years since it was organized was presented at Tuesday's luncheon by Jim Heck, Ridgecrest city administrator.

### More Awards Presented



**SUPERIOR ACHIEVEMENT ON AIM-9G AND -9H EMV TEST PROGRAM**—An award for Superior Achievement for their combined work on the AIM-9G and -9H Electromagnetic Vulnerability (EMV) Test Program was recently received by (left to right) George F. Barker, Donald B. Clark, and Vernon Gallaher of the Systems Electronic Branch, Engineering Department. Presenting the award was acting Branch head, John L. Malik. A time slot of 19 weeks was allotted for the entire effort including analysis of the test requirements and preparation of a comprehensive test plan. Also involved was the design and fabrication of unique test equipment to meet the unusual requirement of the tests. The three awardees worked over and above what was expected of them in order to complete the EMV Program requirements.



**SAFETY AWARDS PRESENTED**—Frank Knemeyer (at left), head of the Weapons Development Department, recently presented safety awards to Code 40 Division heads. Recipients of the safety awards on behalf of the employees in their division were (l-r) Larry Nichols, Optical Sciences; C. P. Smith, Infrared Systems; and Dick Boyd, Avionics. Also on hand for the safety award presentations was Leroy Corlett (at right), chairman of Code 40's Supervisory Safety Committee.



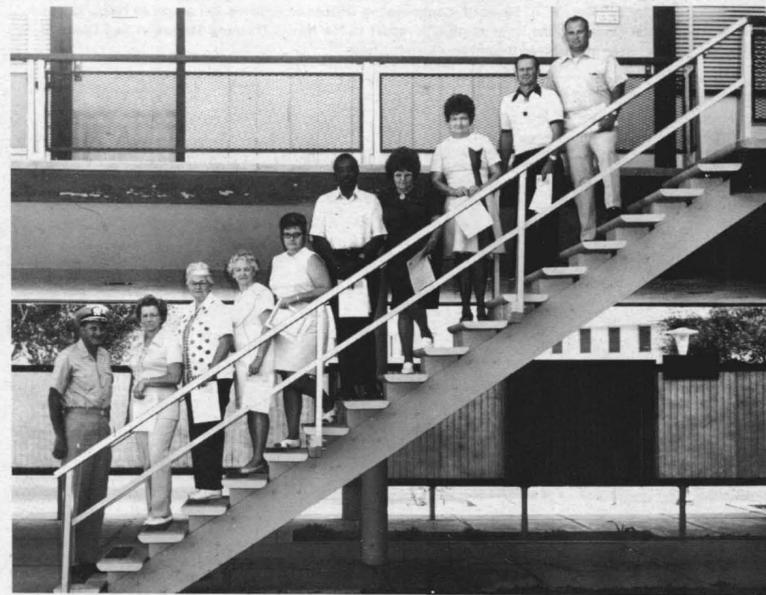
**RECEIVES QSI**—Mrs. Harriet McDonald receives a Quality Step Increase from Capt. R. E. McCall, former Commanding Officer of NAF. Mrs. McDonald has been at the Naval Air Facility for approximately five years and works as a clerk-typist in the Educational Services Office. She and her family reside at 333 Balsam Ave., in Ridgcrest. —NAF Photo



**LENGTH OF SERVICE AWARDS**—Dr. Hugh W. Hunter, left, head of the Research Department, recently presented length of service pins to the above employees of Code 60. The recipients are, from left to right: Robert H. Sharp and Dr. H. Dean Mallory, 20 year federal; Harold H. Bradley, 20 year NWC; Dr. James W. Battles, 10 year NWC; Herbert P. Richter, Leah K. Crista and Dr. Michael L. Knotek, 5 year NWC pins.



**20-YEAR PINS**—Carl L. Schaniel, head of the Weapons Planning Group, presents pins for 20 years of Federal service and 20 years work at NWC to Margaret B. Ross. Mrs. Ross has been a secretary in the group for over 8 years. In the same ceremony, Louis G. LaMarca, at left, was awarded his 20 year Federal pin.



**SUPPLY DEPARTMENT AWARDS**—Recent recipients of awards in the Supply Department were: (top to bottom) Lewis A. Radcliff (QSI), Andrew J. Bergens, Beneficial Suggestion award of \$65 for a tip-over safety switch on portable electric heaters to prevent fires in case the heater should be tipped over, and a Group Superior Achievement Award for unusually high productivity to Dorothy R. Allen, Marie I. Bennett, Beverly L. Leggett, Violet A. Rock, Mary G. Seaman and Frances E. Watts. Those not pictured but included in the Group award were John R. Champion, Anice J. Moore, and Max W. Rood. Capt. E. M. Wieske, former Director of Supply (left) made the presentations.

### Performance Awards, Service Pins Presented to Personnel at NWC



**EXCEPTIONAL QUALITIES RECOGNIZED**—Quality Step Increases were presented recently to four NWC firemen by Ralph Levenberg, associate head of the Security Department. All four men were selected for the award on the basis of exceptional qualities, demonstrated in the line of duty, that far exceeded normal expectations. Willingness to accept additional responsibilities and improve their performances were other attributes cited. Pictured (l. to r.) are Ralph Levenberg, Earnest J. Bohanan, Robert F. Carter, Boyd L. Malone, Earl J. Milsap and Acting Fire Chief Richard Rightmer. Bohanan and Milsap previously were singled out as Firefighter of the Month for the months of September and December 1971.



**PUBLIC WORKS AWARDS**—Capt. William H. Sturman, Public Works Officer, recently presented 20 year service pins to employees of Public Works Transportation, Engineering, Maintenance-Utilities, and Maintenance Control Division A. From left to right the deserving NWC employees are Frank Donnelly (NWC pin), Harry Anderson (Federal pin), Vincent Dussault (Federal), Melvin Robbins (NWC), Capt. Sturman, Donald Kennedy (Federal), Gordon Carlton (NWC), and Ron Hunsinger (NWC and Federal).



**FIREMEN RECEIVE AWARDS**—In a ceremony at Firehouse 1 last week Safe Driving Awards and NWC Service Pins were presented to the firemen pictured here. In the back row, left to right, are Gino Villalba, 5-year pin; Gary Peek, 5-year pin; Mike Taylor, 5-year pin; Dave Workman, 30-year Federal pin; Dale Waist, 5-year pin; and Walter Madison, 5-year pin. Those in the front row, left to right, are Mike Gallagher, Mike Corral, Frank Holley, and John Romero, all recipients of 5-year pins. Other firemen who have worked 5 years for NWC, not present for the picture, are R. L. Rivers, J. R. Covington, J. H. Carr, C. R. Woolery and J. D. Wilson. Fire Chief Jack Brust presented the 5-year awards, as well as Safe Driver Awards to Villalba, Peek, Taylor, Waist, Madison, Gallagher and Corral. LCdr. R. M. St. Germain, head of the Security Department was on hand to present Workman with his 30-year Federal Service pin.



**OUTSTANDING PERFORMANCES RECOGNIZED**—Four employees of the Electronic Systems Department recently received Quality Step Increases and outstanding performance ratings for the volume and quality of their work from department head, Leroy Riggs. Shown here are (l. to r.) Josephine Kajiwara, Kathy O'Neill, Riggs, Mary Ann Brown, and Peggy Harbin.



**BENNY SUGG AWARDS**—M. B. Sorge, head of Central Staff, presents Beneficial Suggestion awards to two Code 17 employees, Robert M. Desmond (center left) and Charlotte Sieckowski. Donald T. Green (right), chairman of the Benny Sugg committee looks on. Mrs. Sieckowski received \$25 for her practical suggestion that the offices of JAMTO, Travel and Disbursing share issues of the Airline Guide, thereby reducing the number of subscriptions necessary. Her suggestion is expected to save the government \$180 annually. An award of \$350 went to Desmond for a well-thought out plan to shorten and simplify the weekly Job Order list, for a yearly savings of thousands of dollars.



**GROUP AWARD PRESENTED LIBRARIANS**—A Superior Achievement Group Award was presented recently to the librarians of the Reference and Circulation Branch, Library Division, Technical Information Department by C. E. Van Hagan, department head. The group under the supervision of Marilee Maki, assisted in an efficient and timely manner the storing of retired records from the Federal Records Center while keeping the disruption of services to library users to a minimum. Pictured (left to right) are: Branch Supervisor Snowden LaFon, Amy Disch, Connie Spanner, Verna Lovitt and Jean Wilkie.



**AWARDED BENNY SUGG**—AT1 Kenneth R. Anderson's cost-saving beneficial suggestion to locally produce aircraft blank off plates, netted him a \$40 award and congratulations from Capt. C. Birdwell, Jr., VX-5 Commanding Officer, during ceremonies held recently at the squadron. The accompanying certificate stated that the purchase of commercial plates involved significant cost and time delay. Anderson's suggestion reduced cost in some cases from \$20 per plate to \$2 per plate.

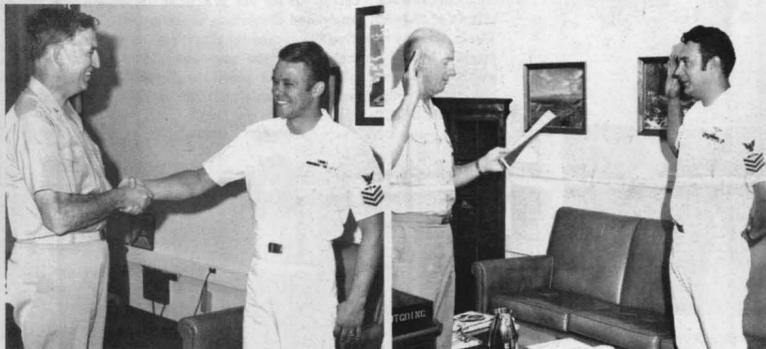
# Camera Focuses on Re-Enlistments, Promotions in Navy



**THREE NAF MEN RE-ENLIST**—During a ceremony held recently in the office Capt. R. E. McCall, former commanding officer of the Naval Air Facility, two veteran Navy men re-enlisted (left photo). Capt. McCall is shown congratulating AQC W. L. Johnson, as AE2 R. K. Holt looks on. AE2 Holt, who has been in the Navy since 1964, re-enlisted for four more years. He has worked in the Operation and Maintenance Electric Shop of NAF's Maintenance Department since 1969. Chief Johnson, a Navy man since 1958, signed over for three more years. He came to China Lake in November 1970 and, since then has been assigned to the Targets Division of the NAF Maintenance Department. In photo at right, Cahill V. Austria, a Personnelman 2nd Class attached to NAF since January, is shown re-enlisting for two more years. In the Navy since 1966, PN2 Austria came here from Orlando, Fla., where he attended Personnelman "A" School. At NAF he has been working with receipts and transfers in the Personnel Division. Those present at the recent re-enlistment ceremony held in the office of Capt. R. E. McCall, then Commanding Officer at NAF, were (l-r) Lt. Rosemary Waller, NAF's Public Affairs Officer; Chief James Unger, leading chief at NAF; Austria and Capt. McCall.



**ENLISTS FOR FOUR MORE**—CFC James E. Bristow, leading chief of the enlisted men's galley, recently re-enlisted for four more years in the Navy. Administering the oath of enlistment is Capt. D. W. Alderton, NWC Deputy Commander. Looking on is LCdr. R. A. Shephard, Commanding Officer of Enlisted Personnel. Chief Bristow was awarded the Navy Achievement Medal on his last duty station aboard the USS Juneau for outstanding performance while serving as leading commissaryman. He has almost completed 20 years of service in the Navy.



**TWO OTHERS RE-ENLIST AT NAF**—Capt. R. E. McCall (in photo at left), former Commanding Officer of the Naval Air Facility, welcomes AME1 Ira W. Reed with a warm smile to three more years in the Navy. AME1 Reed, a Navy man for 11 years, transferred here 2½ years ago from Rota, Spain. Since his arrival at China Lake, he has worked in the Safety and Survival Division of the NAF Maintenance Department. The assignment of administering the re-enlistment oath to ABE1 Calvin T. Johnston (photo at right) was handled recently by Cdr. L. W. Gire, NAF Executive Officer. ABE1 Johnston reported here a year ago from the Naval Air Station, Los Alamitos, Calif. A Navy man for eight years, he is assigned to duty with the Fuels and Salvage Division at NAF.



**SIGNS FOR FIVE MORE**: AQ2 Gerald Bork, his wife Susan and their son David pose with Capt. C. Birdwell, Jr., Commanding Officer of Air Test and Evaluation Squadron Five, after ceremonies where he enlisted for five more years in the Navy. Bork, who will soon leave for B school in Memphis, Tenn., received a \$10,000 reenlistment bonus for shipping over. He has been with VX-5 for the past three years.



**RE-ENLISTMENT WORTH \$10,000**—His recent re-enlistment for six more years under the Navy's Selective Training and Retention Program was worth \$10,000 to Dennis R. Gary, an electronics technician 3rd class, who is shown (in photo at left) being sworn in by LCdr. C. E. Richno, NWC Communications Officer. ETR3 Gary has been in the Navy for a little more than two years, and is assigned to the Ground Electronics Branch, Code 8541. He reported for duty at China Lake after completing recruit training and attending the Electronics Technician School at Great Lakes, Ill. Congratulations were extended (in photo at right) to MSgt. W. L. Coley by Col. E. D. Smith, Marine Corps Liaison Officer at NWC, following MSgt. Coley's recent decision to re-enlist in the Marine Corps for two more years. MSgt. Coley reported for duty at NWC last September, and will be here for the remainder of his current enlistment. He is working with the Laser Designator-Range-finder Branch in the Weapons Development Department.



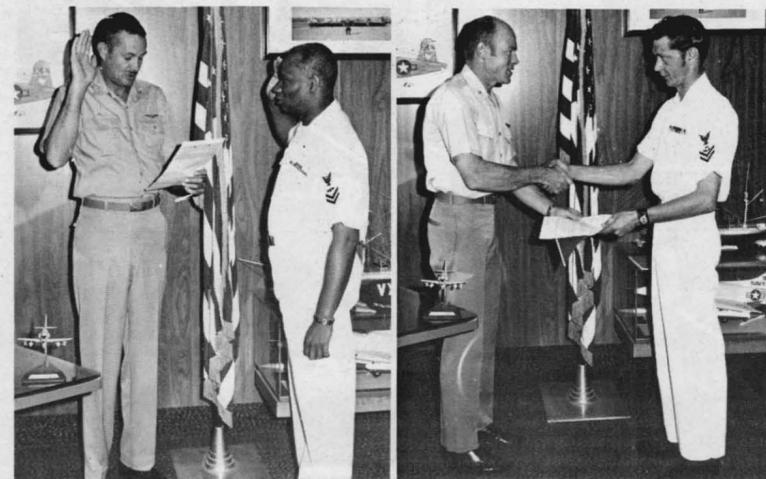
**AVIATION MECHANIC RE-ENLISTS**—Signing over for four more years, AVJ1 Garvis W. Catrett looks over the necessary paperwork in the office of Capt. R. E. McCall, former Commanding Officer of NAF. Mrs. Catrett and Capt. McCall look on. Transferring to NAF from Fitron 213, NAS Miramar, Catrett has been in the Navy since 1966. At NAF Catrett has worked as a jet mechanic in the Power Plants Division of the Maintenance Department.



**FOUR MORE YEARS IN NAVY**—GMG2 William R. Kiesner (in photo at left) recently re-enlisted during a ceremony held in the office of Capt. R. E. McCall, at that time Commanding Officer of the Naval Air Facility. Capt. McCall is shown congratulating GMG2 Kiesner on his decision to sign over for four more years of Navy duty. A Navy man since September 1966, GMG2 Kiesner has been stationed at NAF since August 1971. He was transferred here from the USS DAVIDSON (DE-1045) and now works for the chief master at arms in the NAF Administration Department. The oath of re-enlistment for four more years of service in the Navy was administered recently (in photo at right) by Capt. C. "Tex" Birdwell, Jr., Commanding Officer of Air Test and Evaluation Squadron Five, to AMS2 Leon Torbett during a ceremony held in the office of the squadron Commanding Officer. AMS2 Torbett, who has served with VX-5 for the past 1½ years, is presently on a temporary duty assignment with the NAF fire shop. He is scheduled for transfer soon to Pensacola, Fla., where he will serve in the maintenance department for the Blue Angels, famous Navy exhibition flight team.



**CAREER NAVY MAN RE-ENLISTS**—Nino L. Jaromay (in photo at left), a Chief Aviation Machinist's Mate (Jet) who has served for 17 years in the Navy, recently re-enlisted for four more years. He is shown being administered the oath of re-enlistment by Capt. R. E. McCall, former Commanding Officer at the Naval Air Facility. Chief Jaromay works in the OMD Quality Assurance Division of NAF's Maintenance Department, and has been stationed here for 2½ years. Norman G. Espenlaub (in photo at right), son of Mr. and Mrs. Harold T. Espenlaub, of 303-B Independence St., China Lake, was sworn into the Navy recently by LCdr. R. A. Shepard, Commanding Officer of Enlisted Personnel at NWC. Under the Navy's Cache Program, the local youth will report to the Naval Training Station at San Diego in October, and has been guaranteed the nuclear training field.



**VX-5 MEN SIGN OVER**—Capt. C. "Tex" Birdwell, Commanding Officer of Air Test and Evaluation Squadron Five (in photo at left), reads the re-enlistment oath to AE2 Henry Young, who recently signed on for six more years in the U.S. Navy. AE2 Young, a member of the VX-5 check crew, has been with VX-5 for 2 of his 11 years on active duty in the Navy. Cmdr. R. L. Wright, VX-5 Executive Officer (in photo at right) congratulates PR2 Larry D. Brattlie following the latter's re-enlistment in the Navy for two more years. PR2 Brattlie, a seven year Navy veteran, has been assigned to the AME shop at VX-5.



**ENSIGN PROMOTED**—Capt. C. Birdwell, Jr. VX-5 Commanding Officer, pins Lt. (jg) insignia on newly promoted James Bohannon during ceremonies held recently. Prior to his promotion, Bohannon had been the only Ensign in the squadron. He presently serves as the squadron's aircraft division officer.



**VX-5 PROMOTION**—Newly-promoted Lt. Art Critser receives the twin-barred insignia of his new rank from Capt. C. Birdwell, Jr., Commanding Officer of Air Test and Evaluation Squadron Five. Critser's promotion is his fourth since reporting to the squadron three years ago as a CWO2. "I only wish I could go through the next four ranks as quickly," he jokingly remarked. He, his wife, Beatrice, and family, will move to NAS Whidbey Island, Wash., where he will serve with Attack Squadron 115.



**MARINE OFFICER PROMOTED**—Lt. Col. E. D. Smith (at right), Marine Corps Liaison Officer at the Naval Weapons Center, extends congratulations to John L. Pipa, who has just been promoted from the rank of major to lieutenant colonel. Lt. Col. Pipa is serving here as the Marine Liaison Office's helicopter project officer, and has been at China Lake for the past two years. He came here from duty as a helicopter pilot in Vietnam.