

# ASW Officers, Crew Report for NAF Duty

When the Naval Air Development Unit at South Weymouth, Massachusetts, was decommissioned in September, 1961, the Bureau of Naval Weapons assigned a segment of its research development projects to the Naval Air Facility at China Lake.

Involved in the transfer were one Navy P2V-5 Neptune aircraft, two officers, and a five-

tion Electronics Technicians Walter Edwards, AT-2, and Ronald Kofmehl, ATR-3.

The crew's assignment is flight-test and evaluation of a submarine detecting set which was developed and built by Hughes Aircraft, and recently installed in NAF's P2V aircraft at Hughes' Culver City plant. The P2V type aircraft holds the non-refuel long distance record for propeller-type aircraft.

Evaluation test flights are expected to be staged two weeks out of every month at NAS, Los Alamitos. If the equipment op-



**LCdr. Alexander Stromski ASW OFFICER**—Reports from NADU, So. Weymouth, Mass., to NAF to work on Anti-Submarine Warfare project for BuWeps. He received his flight training at Naval Air Training Command, Pensacola, and his advanced training at Corpus Christi. During his 16 years of military service, he received his commission in 1950, has served with Patrol Squadron 49 in Bermuda, and AirDevRon 11. He and his wife, Teresa, and their four children have been assigned temporary quarters at 54-A Randolph.



**LCdr. Charles M. Lentz MAINTENANCE OFFICER**—Also reports from NADU as Asst. Maintenance Officer for NAF to work on Anti-Submarine Warfare projects. He has 15 years in the Navy, received his commission in 1950 at Corpus Christi, and received his flight training at Pensacola. Two years of his service was spent with hurricane hunters. He and his wife, Doris, and their three children have been assigned temporary quarters at 59-B Rodman. Both LCDr. Stromski and LCDr. Lentz served at NADU for nine months before reassignment to NAF.

erates successfully, it will be used to collect oceanographic data.

The ASW work for NOTS China Lake and Pasadena will be conducted in the vicinity of San Clemente Island and other West Coast operating areas. Additional operations will be conducted in North Atlantic waters.



**ASW CREW**—NAF officers are pictured in front of the P2V Neptune which is being equipped with a recently developed submarine detecting device which they will flight-test and evaluate. Shown in front row (l-r) are: Clinton Jones, ADR-2; Frederick Parshall, AMH-2; Walter Edwards, AT-2; Kenneth Mohrmann, AE-1; and Ronald Kofmehl, ATR-3. In back row are: LCDr. Alexander Stromski, ASW Officer; and LCDr. Charles Lentz, Assistant Maintenance Officer and Project Pilot.



**WE'LL BE CALLING ON YOU**—Beverly Jensen (l) and Stella Goff from Troop 344, give Capt. Blenman a preview of the new cookie selections to be introduced during the forthcoming Girl Scout cookie sale. Proceeds from this annual event benefit scouting activities at the Council level, and each troop also realizes a financial boost for local programs. The cookie sale will be conducted March 8 through 19 throughout the Indian Wells Valley.

## Yukelson Elected To C. C. Council

Arnold Yukelson was elected representative of Precinct No. 4 at the February 26 meeting of the Board of Directors of the China Lake Community Council. A vacancy in Precinct No. 10 remains to be filled. Anyone residing in the Inyokern-Ridgecrest area (Precinct No. 10) who would be available to serve should contact Ross Clayton, phone 82012.

President Bill Leonard announced the structure and staffing of Community Council committees as follows:

Public Relations, Harry Bearman; Ways and Means, Bill Hatabaugh; Services, Everett Long; Education, James Mitchell; Civil Defense, Howard Viellenave; Community Improvements, John Condos; Housing, John McDowell; Recreation, Ross Clayton; Long Range Planning, Clarence Weinland; Civil Affairs, Dick Frederick; Ridgecrest C of C liaison, Everett Long and Harry Bearman; and IWW Recreation Council Liaison, Bud Deffes and Ross Clayton.

The March 13 meeting agenda will include discussion on pet control and community improvement.

## Annual County Art Festival Preliminaries Are Underway

Preliminary planning and the organizational work is underway for the annual Kern County Art Festival which will be held in the Community Center April 7 and 8.

Residents appointed to direct this year's event are: Helen Weals, chairman; Eleanor Osterlander, co-chairman; Ruth Rossin, chairman of elementary and junior high school entries; Adeline Williams, high school entries; Clarence Weinland, adult amateurs; Maxine Booty, adult professional exhibition; Bruce Wilson, exhibit committee; Dorothy Landry, hosting arrangements; and Lorraine McClung, publicity.

**Entry Regulations**  
Application blanks for adults entering the district contest of the Kern County Art Festival are now available and may be picked up at the Ridgecrest Library, the Hobby Shop, the Station Library, or by calling the chairman, Helen Weals, at 77571.

All participants must be residents of Kern County. Deadline for applications is midnight, March 5, and must be mailed to the Kern County Parks and Recreation Department, Recreation Division, 1107 Golden State Avenue, Bakersfield.

Professional artists who desire to show their paintings in the County finals at the Cunningham Gallery in Bakersfield must submit applications to be filed by the March 5 deadline at the above address. Professional artists wishing to exhibit their works as part of the local exhibit on April 7 and 8 do not need to send in application blanks. Professionals will have a display at the local show but will not have their works judged.

High school and elementary students entering the contest do so through their respective schools and details are available from school offices.

All works entered must be original and must not be copies of other works or other photography. The art must have been executed within 1961, and the brush and medium must have been handled by the artist in every stage of the picture formation. Application forms embody an affidavit attesting that entries are original.

All pictures must be either framed or matted. All framed paintings must be wired for hanging and maximum framed size is 48 by 48 inches. The weight limit is approximately 25 pounds.

## Redeye Missile Range Test Held Here for Visiting NATO Group

Seventeen military officers and two civilians representing nine countries including the United States were here Tuesday to observe range tests of the Army's Redeye missile, with which a foot soldier can shoot at enemy airplanes as a hunter shoots at ducks.

Redeye is a shoulder-fired, bazooka-type surface-to-air electronic guided missile, being developed jointly by the Army and the Marine Corps.

It has been undergoing tests and evaluation here since May, 1960, by a ten-man group headed by Capt. W. D. (Dale) Huddleston, USMC, composed of four Marines and six Army men.

The visitors, who make up the Test and Evaluation Sub Group of the NATO Redeye Ad Hoc Working Group, are on a tour of facilities where Redeye is being manufactured or tested.

Heading the group on its visit to NOTS were RADM. W. T. Hines, USN, NATO International Staff, and Col. G. G. Joyau of the French Army, chairman of the group.

Other members comprising the group are listed by their countries: France — Cdr. Francois Chapouthier, Navy, Capt. Heari Marie-Jean and Capt. Jean Pinus. West Germany — Lt. Col. Andreas Coerd, Maj. Wolfgang Vogel, and Heinrich Grube, civilian technical advisor.

Italy — Lt. Col. Feerico Romano and Filippo Salsa, civilian technical advisor.



**INTERVIEWS**—Richard van Osten (l), West Coast office bureau chief for American Aviation Publications, points out to Test Department's Charles E. (Chuck) Hendrix a Pogo-Hi rocket article in which NOTS is mentioned in the current issue of Missiles and Rockets. While here Tuesday to gather material for a future article on NOTS, he also talked to Ed Swann and Frank Knemeyer.

Oh Lord, please make my words sweet and tender today, for tomorrow I may have to eat them.

A man can fail many times, but he isn't a failure until he begins to blame somebody.

# ROCKETEER

TEMPERATURES (Recorded by NAF)

Max. Min.

Feb. 23...63 33

Feb. 24...51 44

Feb. 25...47 35

Feb. 26...48 37

Feb. 27...42 28

Feb. 28...48 24

Mar. 1...50 28

Budd Gott, Editor Office, Housing Bldg., Top Deck Phones 7-1354, 7-2082, 7-1655

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## NOTS Physicist W. C. White Will Man Astronomical Balloon Flight Soon

Two men and a stabilized telescope will be lofted to an altitude of approximately 87,000 feet over the mid-west by means of a high-altitude balloon this spring. This balloon flight, dubbed Project Star Gazer, is a part of a basic research program in space environments being conducted by the Air Force's Office of Aerospace Research.

William C. White, Physicist (Physics of the Atmosphere) in the Earth and Planetary Sciences Division of Research Department, will be balloon astronomer and observer; and Captain Joseph W. Kittinger, Jr., of the Air Force System Command's Aerospace Medical Research Laboratories at Wright-Patterson AFB, Ohio, will be the balloon pilot.

Two unmanned balloon flights are scheduled early this month, weather permitting, as a prelude to the manned astronomical experiment that may be as important as the invention of the telescope in widening man's knowledge of the universe.

If the test flights are successful, White and Kittinger will ascend later in March to make observations through the first fully stabilized manned telescope ever located above most of the earth's atmosphere. All three flights will be launched from Chico, California.

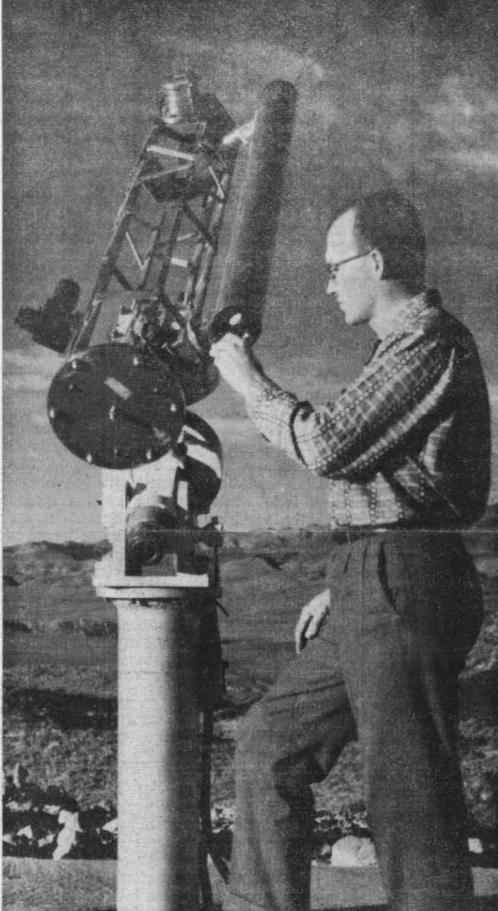
Project Star Gazer is sponsored by Air Force Cambridge Research Laboratories under the technical direction of Dr. J. Allen Hynek, chairman of Northwestern University's astronomy department.

**Purpose of Project**  
The primary purpose of the project is to determine how manned balloon observatories should be designed, built, staffed and operated. Such knowledge will be needed to sustain manned balloon astronomy if unmanned balloon and satellite systems are unable to produce all of the astronomical information scientists need.

The first manned flight will have three experiments aboard; if the flight is successful, it will be followed by a series of others.

The first experiment will measure the turbulence of the atmosphere. This turbulence produces the effect known to earth-bound astronomers as "seeing," blurring fine details on astronomical bodies. At balloon altitudes it is expected that the seeing will improve considerably.

**Second Experiment**  
The second experiment will be



**STAR GAZER OBSERVER**—William C. (Bill) White inspects telescope installed at the Station's Cactus Peak Observatory when the Star Gazer project was still in the nebulous stage.

a photoelectric experiment to investigate the variations in brightness of a star image caused by the atmosphere. This variation in brightness, called scintillation, affects the accuracy of the photoelectric measurements of the light of stars. Says White, "We expect after a certain height is reached, most of the scintillation will be eliminated."

**The third experiment uses an infrared detector — a lead-sulfide cell, to tell how water vapor in the air affects light coming from stars and planets (as the dryer stratosphere is approached, the effect should be sharply lessened and visibility correspondingly improved); and to give some of the characteristics of the light itself.**

A 12½-inch Cassegrain reflecting telescope will be used for these experiments. Instead of looking through it, the observing astronomer will orient the telescope by aiming a small tracking telescope slaved to the large instrument. Once this is done, the Cassegrain is locked on its target despite moderate

pitching and turning of the gondola.

**Outstanding Feature**  
Precise stabilization is the outstanding feature of the experiment, and this will be the first time a balloon-borne telescope has had this capability. It will give observers the advantage of a ground-based observatory plus the bonus of a clear view of the sky.

**Important Member**  
As an observer on the Star Gazer flight, Bill White is an important member of a large team, a team that includes civilian and military personnel, members of governmental agencies and private institutions. It will be the realization of an objective which began almost three years ago.

**For Bill White, the really exciting thing will not be the trip or the fun of having a new "toy" that other workers in the field do not have. The really exciting thing will be the new data, data obtainable only above the earth's atmosphere, where the "seeing" is better.**



SEARCHING FOR HOT SPOTS—Ensign R. G. Patterson, Assistant Avionics Officer and O-in-Ch of the ABC Survey and Monitor Team, instructs James G. Shaw, ADJ2, in the proper use of a Geiger counter. In an attack, their duties would be to check for radiation and contamination and mark these danger areas.

### VX-5 Personnel Train In Emergency ABC's

This jet age has nothing on AirDevRon Five personnel the instant an ABC alert is sounded. The magic words booming over the public address system that transform VX-5 men into organized teams within a matter of seconds are "Yellow Alert—All hands man your ABC defense station—This is a drill."

### Chaplain's Corner

As the Twig Is Bent Each newspaper headline concerning juvenile delinquency makes us increasingly aware of the problem of being a parent. We read of young men and women participating in organized crime, being arrested, and bringing disgrace to their parents every day. With dread, we wonder if we are next.



Christian Science (Chapel Annex) Morning Service—11 a.m. Sunday School—11:00 a.m. Nursery facilities available. Unitarians (Parish Hall) Sunday—7:30 p.m. Protestants (All Faith Chapel) Morning Worship—9:45 and 11 a.m. Sunday School—9:30 a.m., Graves and Richmond elementary schools. Roman Catholic (All Faith Chapel) Holy Mass—7, 8:30 a.m. and 4:45 p.m. Sunday. 6 a.m. Monday through Friday, 8:30 a.m. Saturday. Confessions—8 to 8:25 a.m., 7 to 8:30 p.m. Saturday, Thursday before First Friday—4 to 5:30 p.m. NOTS Hebrew Services (East Wing All Faith Chapel) Every first and third Friday, 7:30 a.m. Sabbath School every Saturday morning.

### SHOWBOAT

FRI. MAR. 2 "SAIL A CROOKED SHIP" (88 Min.) Robert Wagner, Dolores Hart, Ernie Kovacs 7 p.m. SHORT: "Bungle Uncle" (7 Min.) "Greatest Show on Water" (10 Min.) SAT. MAR. 3-4 —MATINEE— 1 p.m. "STAR OF INDIA" (84 Min.) Corral Wildo SHORT: "Mickey's Birthday Party" (7 Min.) "Cody of the Pony Express No. 10" (16 Min.) —EVENING— 7 p.m. "FLIGHT OF THE LOST BALLOON" (91 Min.) Marshall Thompson, Mala Powers (Action in color) Indian ruler in tropical Africa unsuccessfully tries to force explorer to reveal site of Cleopatra's fantastic treasure. Heroic balloonist saves the explorer, gets the girl and finds the treasure. Justice triumphs again. (Adults and Young people) SHORT: "Ridinghood Magoo" (7 Min.) "Fifi Blows Her Top" (16 Min.) SUN. MAR. 3-4 "LOSS OF INNOCENCE" (99 Min.) Kenneth Moore, Danielle Darr 7 p.m. (Drama in color) Four youngsters are left on their own in France when mother becomes ill. The two teenage girls fall for a suave, mysterious man-of-the-world who helps them. His shady past is revealed as the eldest girl's adventures blossom her into womanhood. Interesting adult fare. (Adult) SHORT: "Magoo Beats the Heat" (7 Min.) "Candid Mike No. 2 Series 3" (10 Min.) TUES.-WED. MAR. 6-7 "BRIDGE TO THE SUN" (112 Min.) Carroll Baker, James Shigeta 7 p.m. (Drama) Tennessee girl marries young Japanese diplomat despite ambassadorial objections. Upon start of WW II they are returned to Japan where she encounters few friends as an American, but remains devoted to her husband. Based on true story. (Adults and Young People) SHORT: "Switchin' Kitty" (7 Min.) THURS. MAR. 8 "SWINGING ALONG" (75 Min.) Naanon & Marshall, Barbara Eden 7 p.m. (Musical-Comedy in Color) Simple-minded errand boy dreams of becoming a famous song writer. His scooter is wrecked so he enters a song contest. Ray Charles and Roger Williams and Bobby Vee provide highlights. (Adults and Young people) SHORT: "Bird Who Came to Dinner" (7 Min.) "NSH" (18 Min.) FRI. MAR. 9 Civic Concert Byron Janis—Pianist 8:15 p.m.

### Meetings...

AMER. CHEMICAL SOCIETY will meet March 5 at 6:30 p.m. at the Hideaway. Dr. Wm. L. Jolly, chemistry professor at the University of California at Berkeley will speak on "The Mechanisms of Reactions of Hydroborate in Aqueous Solutions." Interested persons may attend the program which is scheduled to begin at 8 p.m.

COMMUNITY WOMEN'S CLUB will hold a meeting March 5 at 7:30 p.m. in the Community Center lounge. The Richfield film entitled "Give a car a man can drive" will be shown, and C. V. Leape is slated to speak on driver training.

PROFESSIONAL ENGINEERS who are members of the Desert Chapter of the California Society will hold a dinner meeting Wednesday, March 7, at 7 p.m. at the Hideaway in Ridgecrest. Election of officers will be held at the 8 p.m. business meeting. Further information is available from Lorin McCormick, phone 718-87156, or Dick Grundman, Trona, phone 4051.

AAUW Social and Economic Issues study group will meet at 8 p.m. Wednesday, March 7, at the Lindberg residence, 42-A Vieweg Circle. Interested women are invited. LeRoy Jackson will discuss the structure of our county government and how it affects our daily lives.

BHS Library Seeks Needed Periodicals The Burroughs High School librarian is seeking three missing issues of periodicals needed to complete the binding of the related sets.

Two issues of Vital Speeches of the Day dated Nov. 15, and Feb. 1, 1960 published by the City News Publishing Company of New York City are needed.

### Stage Hit 'Mr. Roberts' Slated for NOTS Visit

The first in a series of popular stage presentations will be launched on March 15 at the Station Theatre with the hit comedy "Mr. Roberts" starring John Ireland. Also appearing in the popular play set aboard a Navy LST during World War II is Steve Franken who plays the irrepensible Ensign Pulver, while Donald "Red" Barry portrays the irascible captain.

John Ireland is well known to motion picture fans for his many starring roles and is one of Hollywood's busiest actors, appearing in many network dramatic productions. Steve Franken is remembered as a regular on the "Will Success Spoil Rock Hunter" featuring Jayne Mansfield, "Music Man" starring Phil Harris, "Bells are Ringing" with Judy Holiday, "My Three Angels" with Walter Slezak, and "Tea House of the August Moon" starring Burgess Meredith.

Tickets Lt. Carl Vancil, Special Services Officer, states that tickets may be purchased daily beginning March 8, at the Station Theatre from 11 a.m. to 1 p.m., and again from 6 to 7 p.m.

### Promotional Opportunities

Present Station employees are encouraged to apply for the positions listed below. Applications should be accompanied by an up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

- Clerk-Stenographer, GS-4, PD No. 30091, Code 651 — Located in the Employee Management Relations Office. Incumbent provides stenographic, typing and clerical support to the Division, and assists in coordinating the Incentive Awards program for the Station.
- Supervisory Chemical Engineer, GS-13, PD No. 045089, Code 4571 — Serves as Branch Head, Code 4571. Coordinates, plans and supervises efforts of branch.
- Electronic Mechanic, \$3.09 to \$3.35 p/h, Code 1800 — Tests, overhauls, repairs, modifies, calibrates, and installs electronic equipment and related devices involving audio and video electronic circuits.
- File applications for above positions with Mary Watts, Room 26, Personnel Building, Ext. 7-2723.
- Clerk, DWT, GS-4, PD No. 28899AmI, Code 3061 — Serves as branch secretary. Compares types correspondence, maintains branch files, receives and routes mail and phone calls; keeps time and fiscal records.
- Motion Picture Developing Equipment Mechanic, \$3.14 to \$3.40 p/h, or Machinist Maintenance, \$3.02 to \$3.28 p/h, Code 3061 — Performs a variety of maintenance jobs on motion picture film processing equipment. Electrical, mechanical and plumbing experience helpful as much of the work has to do with motors, pumps, solution filters and electrical controllers.
- Supervisory General Supply Officer, GS-11, PD No. 225002, Code 2511 — Heads Special Projects Branch, supervises material support program for R and D projects.
- File applications for above positions with Iris Ortega, Room 34, Personnel Building, Ext. 7-1393.

### Station Crew's News

Congratulations are in order for Robert A. Farrar, HM3, and Mel Barrera, MM1, who were each sworn in for another six years. Farrar has been at NOTS since December and says he is not only very satisfied with his present duty, but that his family likes the area.

Barrera is making plans for reenlistment leave in the Philippines as soon as a qualified relief is obtained. His tentative schedule is set for the latter part of March.

Another reenlistee is Harland C. Morrissey, HMCA, who was sworn in for an additional four years.

Commissary Store welcomes Orville R. Nicholson from the Naval Station at Adak, and Robert G. Robinson, GMGSN, from the Naval Magazine at Subic. There is a plus and minus to this story—in addition to its gain, Commissary lost Dale Hicks, CS1; Charles Peaker, SOG3; James Noland, GMG2; William D. Owens, CS3; John M. Givens, CS2; and Billy G. Lasley, CS3.

Goodbye's were said to Chief Thomas Wosiek at a CPO party—and we hear that Chief J. Shriver is enjoying his trip back east where he is completing a course of instruction at the Deep Sea Diving School.



Morrissey

### What Happens Here ... If War Comes?

A vivid picture of disastrous consequences in the event of a local nuclear attack was depicted by Dr. Carl Austin last Thursday at an open meeting held at the Burroughs High School auditorium.

Expressing his views as a private citizen, Dr. Austin urged listeners that any local civil defense program be aimed at coping with the worst that could happen in order that any lesser contingency would fall well within the realm of preparedness.

Other Effects The speaker also discussed the probable bomb damage effected by a direct hit, and the resulting airblast and shock waves. The fire problem, utilities outage, transportation, debris, and fallout were pinpointed, producing an awesome picture of wholesale disaster and chaos.

Dr. Austin went on to stress that should any California target be hit, we would probably get some fallout from a surface burst if the winds are toward us. Given a little preparation and some shelters, no fatalities would result here from a distant attack.

He further emphasized that few buildings provided adequate protection, except in deep basements with much concrete and steel overhead. An ordinary house will give you protection against only one-half of the outside radiation.

From this informative talk, it was concluded that fallout shelters are an absolute must. He noted that local blast shelters are relatively cheap and easy to make on a backyard basis, and can also be made on a community basis, if desired.

The Time Element "Actually," he added, "our closest major retaliation base is 180 miles away, and with a 20-mile wind, this is a 9-hour trip for fallout. Locally though, in 30 minutes you are not going to crawl out of the wreckage, get your shovel, collect your thoughts and dig much of a shelter. Either you have it in advance, or you don't have it."

In summary, Dr. Austin covered some of the essentials of an effective civil defense preparedness program, pointing out that after an attack, survivors will need supplies, utility restoration will be needed, and some sort of emergency housing will be a must.

Assuming We're Hit Interpersing his talk with use of illustrations flashed on a screen, Dr. Austin showed, on a map of Indian Wells Valley, his estimates of the damage to personnel, housing, utilities, and transportation that could be anticipated here as the aftermath of a surface burst from a 5-megaton bomb striking NAF.

### News From Pasadena

#### Holds Civic Office



Carney Kraemer, NOTS Pasadena Public Information Officer, has been named to the Board of Directors of the Visiting Nurse Association, a Red Feather Agency, in Pasadena. She will direct their public relations program. She is also a member of the Public Relations Committee of the Pasadena Chamber of Commerce. Mrs. Kraemer has been with the Station since 1948 and in her present position since 1957.

### PROMOTIONAL OPPORTUNITIES

To apply for positions, contact Nancy Reardon, Pasadena Personnel Division, Extension 104.

Inspector (Ordnance Electronics Equipment—Developmental) A, Hourly Pay Range: \$3.39-\$3.67, Code P5513 — As a transient inspector in the Los Angeles area, performs technical inspection of electronic equipment at the source of manufacture. Maintains liaison with vendors in the L.A. area and project personnel at NOTS Pasadena and China Lake. Must have strong background in inspection of electronic equipment and some experience in the inspection of mechanical hardware. A Navy Driver's License is required. Own transportation is required, on a mileage reimbursement basis, except when a Navy vehicle is available. An up-to-date SF 58 must be submitted when applying for this position.

Pipefitter, hourly pay range, \$2.97-\$3.21, Code P7153. Duty Lay out, cut, bend, assemble and install pipe fittings, and fixtures to construct or maintain piping systems. Locates leaks or obstructions and repair or clear them. Test piping systems.

Laborer (Heavy), hourly pay range, \$2.31-\$2.51, Code P7153. Duty Station: San Clemente Island. Perform a wide variety of heavy manual tasks requiring predominantly physical exertion, such as moving and positioning of heavy equipment, furniture, or rigging and moving heavy machinery; loading and unloading freight or bulk materials, etc.

Supervisory Procurement Officer, GS-12, PD No. 24349 Am 2, Code P256 — Position is Head of the Purchase Division at Pasadena. Division functions include (a) procurement of material, equipment, services, and manufactured items in support of research and development effort through open market purchasing, advertising, and negotiated contract methods. (b) purchase services such as bid recording and opening, preparation of procurement documents expediting receipt of purchases and auditing invoices, and (c) contract administration and termination functions. Responsible for coordinating of branch functions, organizational planning for Division and for providing expert contractual advice to subordinates.

Walker Leaves NOTS Randal R. Walker, Head of the Budget Branch, Underwater Ordnance Department, was feted at a farewell luncheon Tuesday. He has accepted a position with NASA at Edwards Air Force Base.

Walker has been with the Station since 1955, with the last three years at NOTS Pasadena. He graduated from the University of California at Berkeley in June 1948 and received a M.S. in Public Administration from UCLA in 1949.

### San Clemente One of Group Of Twenty in Channel Islands

(EDITOR'S NOTE: This is the second in a series of articles on the history of San Clemente Island. We are indebted to Col. Lawrence B. Bixby, U. S. Army, Retired, curator of the Riverside Municipal Museum, for these articles.)

THE CHANNEL ISLANDS San Clemente Island is one of a group called the Channel Islands, separated from the mainland by Santa Barbara Channel. In older books and maps they were usually called The Santa Barbara Islands, divided into two groups.

The northern group includes San Miguel, Santa Rosa, Santa Cruz and Anacapa. In the southern group are San Nicolas, Santa Barbara Island, Santa Catalina and San Clemente. There are about 20 islands in the group if you count the smallest; and they are related to Los Coronados, off the coast of Mexico.

Oddly, Santa Catalina Island is not part of the same upheaval that formed San Clemente and the other Channel Islands. Originally it was part of the mainland until after the last ice age when melting snows at the polar caps raised the level in all the oceans.

The Channel Islands extend from the northwest to southeast for about 160 miles and lie 20 to 60 miles off shore. They rise to various heights above the ocean, San Clemente being one of the largest with an altitude at its highest point, Mount Thirst, of 1,940 feet above sea level.

San Clemente Island is some 60 miles south of San Pedro and Long Beach, and about 80 miles off shore from the coast between Laguna Beach and the town of San Clemente on the mainland. It stretches northwest to southeast for its 26 miles of length, and its width, which narrows at the northern end, is considered about seven miles. While from the distance it resembles a hog back it is cut by many transverse gorges and canyons.

The eastern side, toward the U. S. coast, plunges sharply into the ocean in vertical lava cliffs, some over a thousand feet above the sea. The western side appears less steep for the ground rises in smaller cliffs like huge steps, in places seven or eight in number. These show the successive stages by which the island was elevated by the under-ground forces. Some of the old sea beaches of sand and shell were lifted with the rocks and are now on terraces high above the shore.

If you take a close look at the rocks their volcanic origin becomes obvious. In some places you can see dark colored basalt which once was lava but cooled

(To Be Continued)

### Hoopsters End Seasons Play

The NOTS Basketball Team ended the season with consecutive losses to Jet Propulsion Lab, 58-55, and Dynamics, 50-44. With a 4-6 lost record for the year, NOTS finished in fifth place in the ten team Pasadena Municipal League. The league was exceptionally well matched this year, reported Team Manager, Rod Rotter, who noted that even with 6 losses, the NOTS Team was never defeated by more than ten points. None of the teams finished the season with less than 2 defeats.

The top four teams of the league will start a playoff tournament next week.

### Personnel Statistics

New Employees Technical Division — Dorothy M. Solt, Secretary (Stenographer). Supply — Rosmarie Tinglo, Clerk-Typist. UOD — Lawrence W. Korpany, Supv. Electronic Technician (Instr.).

### What's Doing In Recreation

From the Special Services Office The China Lake Film Society will present "The Red and the Black" at 8 p.m. in the China Lake Community Center on March 5 and 6. This French film is based on Stendhal's classic novel portraying an ambitious carpenter's son who is repeatedly reminded of his humble origin. Due to the three-hour length of the film viewing will start promptly at 8 p.m.

The Desert Bridge Club plans one-half hour lectures at 6:30 p.m. preceding the Wednesday evening bridge game in the Community Center. These lectures will be on a continuing basis if it draws sufficient interest. Talks will cover bidding, play of cards, various conventions, etc.

Cactus Squares A square dance will be held tomorrow at 8 p.m. in the Community Center — spectators are welcome! Installation of officers will also be held.

Acey Deucey Wives The successful Monte Carlo night held recently at the Crow's Nest prompted plans for another such event sometime this month. A portion of the proceeds is being donated to the future Drop-in sitter service, and some funds will be used to sponsor a little league baseball team this summer.

Navy Wives Members of the Navy Wives Club gathered for a farewell coffee honoring Nancy Troxel who is leaving the area. She was presented with a scrap book along with a Navy Wives Club pin, Navy Relief pin, and a Treasurer's pin, signifying her contribution to the organization's goals. Prospective members are invited to attend the next meeting slated for March 5 at 7:30 p.m. in the Navy Wives Hut.

Rocketeer Deadlines News, Tuesday, 4:30 p.m. Photos, Tuesday, 11:30 a.m.