



SERIOUS MOMENT in an otherwise hilarious play, "Oh, Men! Oh, Women!" sees Ed Romero (as Arthur Turner) demanding the reason his wife (Teena Wilkie) wants to leave

him. Miss Tacher (Aileen Fullerton) looks on in background. The China Lake Players' production will be staged Sept. 13 and 14 at the James Monroe auditorium.

Concert Assn. To Offer Special Ticket Sales For Area Newcomers

A preferential sales list which offers a chance for new persons in the community to obtain better seats for the NOTS Civic Concert Association's 1963-64 season is being set up this week, according to an announcement from Dr. G. S. Colladay, sales campaign chairman. The kick-off date for the Concert Association sales campaign is Wednesday evening when salesmen will gather at the Richmond School auditorium to hear the formal announcement of the artists for the new season.

Anyone interested enough to send a postcard to the Concert Association, P. O. Box 5377, China Lake, or to call Lou Bagge, ticket manager, Ext. 724231, Chicago, the kick-off date will be placed on the preferential sales list. Persons on this list will select their seats for the concert series on September 30 and October 1. Those persons buying tickets later will not select seats until October 7 and 8.

The 950 season ticket holders from last season will receive letters announcing the new season and containing their renewal vouchers the day following the kick-off sales meeting, of Sept. 4, Colladay said. "Our opening concert on November 13 presents a world famous star of stage and movies," the chairman said. "We believe that this series is the finest in many years since we have also secured the two top choices made by our season ticket holders in last spring's survey," he said.

"New people in the area will be amazed to find that we can present two world-famous stars, a renowned and beloved dance group, plus two young singers and a rising European instrumentalist for one-half of Los Angeles concert prices," Colladay concluded. Season ticket prices at \$12, \$10, \$8 for the five concerts.

Elizabeth Ann Lindamood, daughter of Gordon and Florence Lindamood, was chosen as the outstanding Wave of her company and was graduated from the U. S. Naval Training Center for Women, Bainbridge, Md., after 10 weeks of basic training. Because of her outstanding achievement during training, Seaman Apprentice Lindamood will remain at Bainbridge as an assistant Company Commander of a future group of Waves for about 60 days. Then she'll receive more training in one of the 18 ratings open to women.

Elizabeth, whose dad is in Public Works and whose mother is in the Propulsion Development Dept., is a graduate of Burroughs High School. She attended Riverside City College before enlisting in the service at Lancaster last June. The Lindamoods live at 210 Dorado St., Ridgecrest.

Stanley I. Buck, Chief Aviation Machinist's Mate with the Naval Air Facility, brought to a close last Thursday a Navy Career which began 21 years ago. Highlights of his years of service included duty with Fleet Air Units in the Pacific as an aerial gunner during WW II, Moffett Field, detached duty with the Air Force, Patrol Squadron 56 Atlantic Fleet, Corpus Christi, Heavy Attack (Mining) Squadron 10 Pacific Fleet, and China Lake since 1959 with duty as Line Chief, Maintenance and Planning Chief.

During his tour at China Lake, Buck also made numerous and frequent aerial flights in special project aircraft. He holds an FAA Mechanics License and is also a competent automobile mechanic.

Elizabeth Ann Lindamood Tops In Wave Class

Elizabeth Ann Lindamood, daughter of Gordon and Florence Lindamood, was chosen as the outstanding Wave of her company and was graduated from the U. S. Naval Training



ELIZABETH LINDAMOOD Center for Women, Bainbridge, Md., after 10 weeks of basic training.

Because of her outstanding achievement during training, Seaman Apprentice Lindamood will remain at Bainbridge as an assistant Company Commander of a future group of Waves for about 60 days. Then she'll receive more training in one of the 18 ratings open to women. Elizabeth, whose dad is in Public Works and whose mother is in the Propulsion Development Dept., is a graduate of Burroughs High School. She attended Riverside City College before enlisting in the service at Lancaster last June.

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NAF's Chief Buck Retires After 21 Years

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CHIEF STANLEY BUCK

From _____ PLACE STAMP HERE _____ TO _____

Back-to-School News

Zoning, Transportation and Other Information For Kindergartners to Collegians PAGES 8 and 9

CALL PROJECT STORMFURY AN UNQUALIFIED SUCCESS



Vol. XVIII, No. 34 Naval Ordnance Test Station, China Lake, California Fri., Aug. 30, 1963

NOTS CYCLOPS II and ALECTOs Used to Seed Storm Clouds, Hurricane

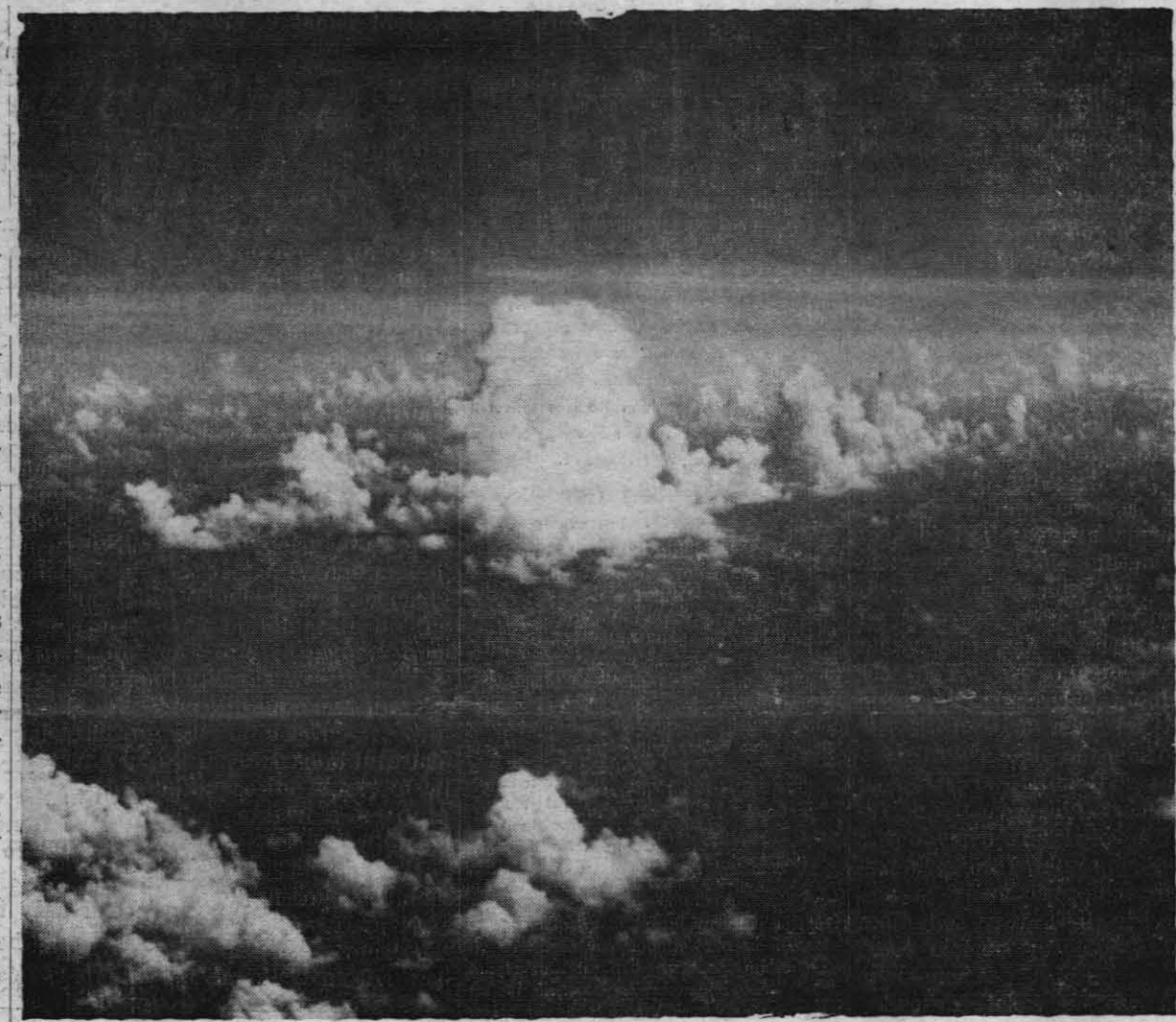
Cdr. Louis Knight, NAF Exec Officer, Dies in San Diego

Cdr. Louis F. Knight, Executive Officer of the Naval Air Facility, died yesterday at the U. S. Naval Hospital in San Diego.

Tentative funeral arrangements include services to be held at the All Faith Chapel here. Friends will be able to pay their respects Monday evening, and a Mass is scheduled for Tuesday morning, Chaplain Joseph A. Costa said.

Because of the incompleteness of plans at press time, it is requested that friends contact the chaplain's office, Ext. 72247, or the NOTS OOD, Ext. 71303, for more information.

After the services here, Cdr. Knight will be buried at Rosecrans Cemetery at Pt. Loma. A veteran of more than 21 years of Naval service, Cdr. Knight reported to NOTS in July of 1961 and became Executive Officer, NAF, the following May. A Naval aviator since February, 1942, he had served aboard several carriers including USS Kearsarge, USS Randolph and USS Princeton.



CUMULUS CLOUD TARGET looms dead ahead of DC-6 monitoring plane during Project STORMFURY south of Puerto Rico. NOTS ALECTOs were used to seed it. At this point, the cloud top altitude was approximately 20,000 feet.

Friends Mourn Death of Jon Rambo, Bucky Adams

Messages of sympathy from their many NOTS friends were being received this week by Mr. and Mrs. John Rambo and Mr. and Mrs. Alvin A. Adams, following the death of their sons, Jon Rambo, 17, and Arnold "Bucky" Adams, 18, last Saturday.

Jon and Bucky died of burns suffered in a blast of chemicals they were disposing of in a desert area southeast of Ridgecrest. The explosion occurred at about 5:20 Saturday afternoon. Young Rambo succumbed five hours later at Drummond Medical Center. Adams died there Monday morning.

Services for Rambo were held Tuesday at the Church of The Nazarene, Ridgecrest, with the Rev. Orian Burlison officiating, and interment followed at Desert Park Cemetery. Services for the Adams boy were held Wednesday at the Lewis Colonial Mortuary in San Diego.

Young Adams had regained consciousness for a while Sunday and reportedly told investigators that he and Jon had mixed three or four chemicals in a cardboard box while disposing of them in the field, and that when they added a fourth chemical — red phosphorous — the explosion occurred. Adams was helping Rambo clean his room in preparation for moving to Bakersfield where they planned to attend Bakersfield College.



SEEDING EFFECT is almost immediate as the cloud top begins to rise. (Continued on Page 3, Cols. 1 and 2.)

Warning on Handling Of Explosive Materials

"Handlers of explosives know from their training and some times bitter experience that the utmost care must be used when working with chemicals and high energy materials." Safety Department officials noted this week.

Scientists at NOTS over a period of years have developed rules, procedures, building and equipment standards to insure a high degree of safety in handling explosive compositions. The Safety Department offers these basic rules which Station scientists observe.

- 1. To work safely with chemicals and high energy materials careful thought and review must be given before the actual work is done.
2. The scientist acquires an extensive knowledge of his materials before he works with them. His extensive scientific training helps him to proceed cautiously and safely because he is fully informed.

3. When working with these materials, the experimenter starts with very small quantities and learns as much as he can about the materials' behavior before he works with larger amounts. Work is not performed on a large scale until experience has been gained with progressively larger quantities.

4. When even slight risks are involved the experimenter uses tools, special safety equipment, portable shields and specially constructed buildings to do the risky work and to protect himself and others.

There are groups and individuals on the Station who are willing to give lectures and information to enhance the safety of all individuals who have a desire to learn about materials of an explosive nature. The Safety Department will arrange contact with these groups on request. Be sure—be safe—amateurs should not handle explosive materials.

SHOWBOAT

FRIDAY AUGUST 30 "THE STRIPPER" (95 Min.) Joanne Woodward, Claire Trevor, Richard Beymer, Gypsy Rose Lee 7 p.m. (Drama in color) Small time vaudeville showgirl returns to her old home town to visit former neighbor. She becomes involved with the friend's son before realizing it won't work. (Adult)

SATURDAY AUGUST 31 "HOLIDAY IN IRELAND" (10 Min.) SHORT: "Holiday in Ireland" (10 Min.) -MATINEE- "JOURNEY TO THE LOST CITY" (97 Min.) Paul Christian 1 p.m. SHORT: "Bad Old Putty Pot" (7 Min.) "Iron Horse No. 10" (16 Min.) -EVENING- "SHOWDOWN" (79 Min.) Audie Murphy, Kathleen Crowley 7 p.m. (Western) Two cowpokes are put in "jail" with a renowned outlaw who forces them to escape with him. He holds one hostage while the other is sent to town. Good cast. (Adults and Young People)

SUN. MON. SEPTEMBER 1-2 "THE MAIN ATTRACTION" (90 Min.) Pat Boone, Nancy Kwan 7 p.m. (Drama in color) American drifter is hired by a woman ventriloquist of a small circus but he falls for a pretty acrobatian thereby falling the woman's romantic plans. Scene is set in the Italian Alpine country, circus atmosphere and several songs. (Adult) SHORT: "Carmen Get It" (7 Min.) "ASFM No. 609" (15 Min.)

TUES. - WED. SEPT 3-4 "THE WESTSIDE STORY" (155 Min.) Natalie Wood, Richard Beymer 7 p.m. (Musical Drama in color) Academy award-laden story of two rival New York gangs of juvenile delinquents, their lives and their loves, all set to music. A hit on Broadway—a hit on the screen, this is don't-miss fare! (Adults and Mature Youths.)

THURS. - FRI. SEPT. 5-6 "HERO'S ISLAND" (94 Min.) James Mason, Neville Brand 7 p.m. (Adventure Drama in color) A family and a friend inherit an island and attempt to start life anew. They almost lose their new home to Ruffian fishermen until a pirate shows up. Different! (Adults and young people).

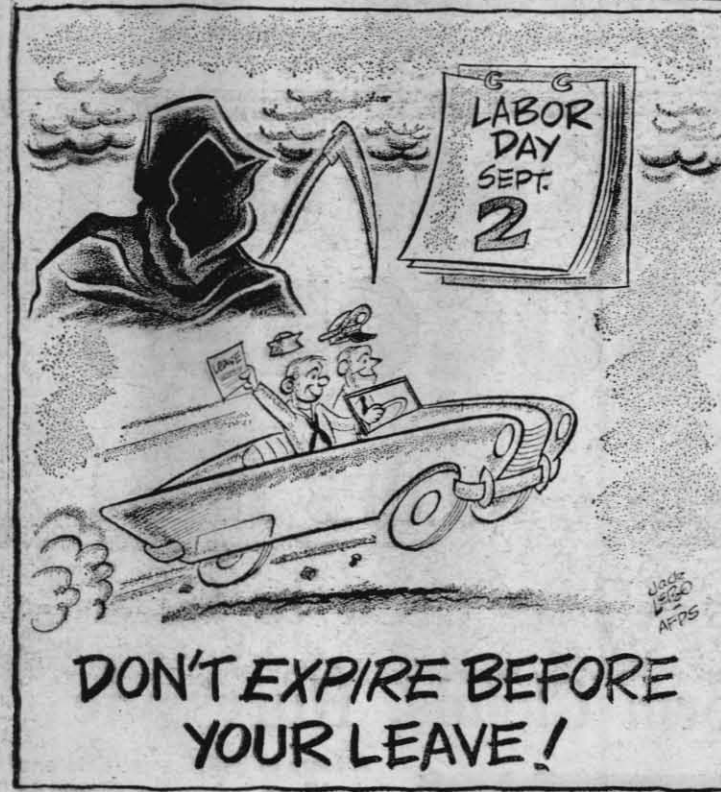
SHORT: "Stowaway Woody" (7 Min.) SPECIAL SERVICES PRESENTS Concert By BEACH BOYS and the CHERRY CREEK SINGERS On Stage Wed, Sept. 11 - 8:00 p.m. Tickets: \$2.00 All seats reserved

Facilities Closed Labor Day All business facilities at Bennington Plaza, including all Navy Exchange facilities, the Commissary Store, the Station Library, and the Bank of America, will be closed Labor Day, Sept. 2.

EXCEPTIONS: The Station Theatre and Snack Bar, the Main Bowling Alley and Snack Bar, the Golf Course and Snack Bar, will observe normal hours of operation.



HERE SEPT. 11—The Beach Boys, the "Swingin'est Surfing Band in the Land" will make a personal appearance here at the Station Theatre at 8 p.m. on Wednesday, Sept. 11, with the Cherry Creek Singers, a dynamic folk singing group. Reserve tickets are now on sale at the Station Theatre box office for \$2 each from 10 a.m. to 7 p.m. daily. The event is open to residents of Indian Wells Valley.



PROMOTIONAL OPPORTUNITIES

Present Station employees are encouraged to apply for the positions listed below...

Staff Nurse (Medicine and Surgery), GS-5 or 6, Code 88 - General and specialized nursing care in the hospital and outpatient department.

Supervisory General Engineer, GS-13, PD 13900, Code 5551 - This position is that of Head, Design Disclosure Branch.

File Application for above with J. Thomas, Bldg. 34, Room 31, Phone 71393. Qualifications Rating Clerk (Gen) (Typing), GS-213-4.5, PD 265017, Code 656 - Performs qualifications rating and the clerical functions necessary to effect non-competitive personnel actions.

File Application for above with D. Childers, Bldg. 34, Room 26, Phone 72676. Deadline for applications is Sept. 6.

OFF-STATION JOBS General Engineer, GS-801-12 (2 positions) - Must have knowledge of Weapons System Fundamentals and maintenance engineering requirements.

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OVERSEAS VACANCIES Supervisory Marine Engineer, GS-13, Hawaii. (File by Sept. 18); Supervisory Civil Engineer, GS-12, Guam; Construction Representative (General), GS-11, Guam; Engineering Technician (Mechanical), GS-9, Guam; Electronic Technician (Wire Communications), GS-9, Guam; Aircraft Quality Control Representative, GS-11, Hawaii; Digital Computer Systems Analyst, GS-11, Hawaii.

File Applications for above by Sept. 20 with Navy Overseas Employment Office (Pacific), Federal Office Bldg., San Francisco 2, California.

Master Mechanic and Foreman Mechanic (1 vacancy each), Philippines. File Application with Navy Overseas Employment Office (Pacific), Federal Office Bldg., San Francisco 2, California no later than Sept. 20.

EXAMINATION ANNOUNCEMENT Coil Winder (Radio), Announcement No. SF-20-57 (63), issued Aug. 26, 1963. Closing date Sept. 16, 1963. Salary \$2.94 p/h. File application with the Detached Representative, Bldg. 34, Room 1, Personnel Department.

CHAPLAIN'S MESSAGE

Talks With Teenagers

By FR. JOSEPH A. COSTA, OFM, Cap.



LEARNING FROM OTHERS IS THE SMART WAY TO LEARN Millions have walked this earth before us. There have been centuries of time to consider the common problems of living. It follows that answers to just about all our questions are ready and waiting for us to use.

Of course, we learn almost all we know from the teachings and experiences of those before us. If this were not so, we would still be in caves, trying to grow our food by scratching a twig along the ground. Most times we are willing to learn in this way. When you are told that you would be killed if you jumped from the Empire State Building, you took somebody else's word for it. You do not have to sit in a blazing fire to learn that you can be burned. And while you probably have never seen Moscow, you are willing to believe it is the capital of Russia because you were told so.

Most of us develop blind spots, however. For one reason or other, we refuse to face facts. We insist upon going ahead with our own ideas, and defy what experience would teach. We all have this characteristic to a small degree, but if we have it to a greater extent than average, we are really heading for trouble.

I am thinking of Maryjane. She was a good student in high school. She was willing to learn everything about English, history, math, and any other subjects her teachers taught her. But she had a blind spot: She refused to heed what experience taught about becoming involved with a married man. She met him at a dance. After a few dates, he told her he was married but living away from his wife. Now, it is hard to find an expert any place who would not have told Maryjane to ditch that man quickly because he could only cause her grief. But she refused to learn from others.

After about five years, he tossed her aside and, still married, picked up a younger girl. Today Maryjane knows that others gave her the best advice she could have been given. But by insisting upon doing things her own way, she made a serious mistake.

You can learn from others in different ways. A girl learns to cook by watching her mother. A boy learns to work with his hands by watching his father with a saw and hammer. You can learn by listening—much of your knowledge acquired in the classroom is gained this way. And you can learn by reading. Never underestimate how much knowledge and self guidance is available to you in every phase of your life through the medium of the printed word. I can guarantee that whatever your aspirations, interests, or problems, you will find good books, magazines, and pamphlets that teach the experience of those older and wiser than yourself.

Will Conduct First Services This Sunday

Chaplain Mark E. Fite, who reported aboard as Assistant Chaplain last Friday, will conduct his first worship and communion services at China Lake in the All Faith Chapel for the Protestant congregation at 8:30 a.m. and 11 a.m. this Sunday.

Chaplain Fite's sermon will be on "The Dignity of Man."

Senior Chaplain R. C. Fenning is vacationing in Portland, Ore., where he will visit Our Savior's Lutheran Church which he served as pastor before entering the Navy.

'DESERT PHILOSOPHER' Placer Dredge In the Desert



By "POP" LOFINCK

I'm doing research for a series of feature articles on San Clemente Island, and other places.

To dig out the authenticity of presumed facts takes some doing—to separate facts from fancy—so to speak.

In the meantime—to keep you interested—go get your picture taken on a placer gold dredge in the middle of the desert. Unique!

Not a dry placer... a wet placer. Same type as used on the rivers in northern California.

First they drilled test holes, of course, and found there was gold under the desert sand of this dry wash.

FOUR 800 FT. WELLS DRILLED

Then they dug a hole to make a lake or big pond. Drilled four wells 800 ft. deep to get water to fill the pond to float the placer rig. So they were in business. But they had problems. One was to get priorities to buy material during war time.

They could not get a priority on gold alone. Any mining operation had to have some needed industrial mineral also to get a priority to buy any kind of steel. In this case tungsten made it possible for them to obtain this priority.

One night they hooked on to a big boulder down there in the sand, the boulder plus the fact that one pontoon was partly filled with water caused the rig to tip over.

That cost a lot to get an engineering outfit to set it back on its pontoons again.

As they proceeded... the sand and water was pulled in one end—the gold and tungsten separated and the sand and muck dumped out the back end.

FLOATS ON OWN POND

So they took their pond along with them as they proceeded forward. That was the ingenious, unique feature. One for the book.

The wells kept the pond full—making up for evaporation and the water that soaked into the sand.

It was an around-the-clock operation.

One night they were shut down. And about \$16,000 in gold—ready for shipment—was stolen. Maybe it was \$1600—but anyhow that was discouraging! Where was the watchman? I didn't find the answer to that one.

How do I get all the information for my columns? My policy always is—to ask the man or woman who knows. In this case it was Ralph Ralston—he has the Shell Station in Johannesburg—he has lived in Johannesburg for over 25 years.

How to get to this ship in the desert? Take Highway 395 to the fork that turns toward Randsburg. After passing the fork, take the first paved road to the right—it passes right by it.

For a souvenir you can only take a picture of it. That's why rivers are a good hobby—you can't bring them in the house.

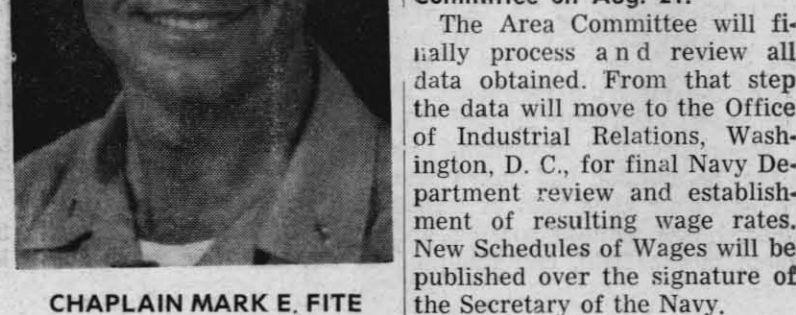
Wage Survey Teams Send Data to Area Committee

Teams of data collectors from both China Lake and Pasadena Annex reported successful completion of their assigned portions of the Los Angeles area Wage Survey in private industry, NOTS representative William Blinkhorn reports.

Changes in wage rates reported by the NOTS teams and those from other activities will determine rates of pay for ungraded Navy employees in the Los Angeles area, and here at China Lake where an additional \$0.06 per hour is authorized.

The Pasadena Annex team of Dorothy Seaman, Code P659, and John O. Lindquist, Code P8094, encountered difficulties when one of the firms assigned to them turned out to be on strike. Another of their firm assignments was engaged in wage negotiations at the time of the visit. Navy policy normally excludes wage data from firms where companies are on strike or wages are being negotiated.

Data from this team was forwarded to the Area Wage Survey Committee on Aug. 21. The Area Committee will finally process and review all data obtained. From that step the data will move to the Office of Industrial Relations, Washington, D. C., for final Navy Department review and establishment of resulting wage rates. New Schedules of Wages will be published over the signature of the Secretary of the Navy.



CHAPLAIN MARK E. FITE

RIM SHOTS

By BILL VALENTEEN



The other day I happened to find myself in the vicinity of McLaughlin Park Little League Diamond. As I glanced around I found myself meditating on what seemed, just a short month ago, a tremendous amount of baseball activity. As I let my imagination wander, I began to hear the man in the booth call the next batter, the chatter of the defensive players as they encouraged their pitcher, Moms and Dads, the umpire and even the traffic as the cars went by. For a moment, I was entranced with any one of several thrilling moments that might have occurred at this ball park some three or four weeks ago.

I was snapped back to reality when my mind finally focussed on a grotesque, dust-covered metal shape that looked like one of those cages that you climb into when you ride the loop-the-loop at the fair. It was the pitching machine that was used in the Farm league. I spoke to it.

ME: What's up, Mr. Pitching Machine?

PM: What are you, one of those wise-guy reporters?

ME: No, although I'm sure you are not in the minority for thinking such. I just thought that you seemed rather lonely and deactivated, if you will, and I thought I'd say hello.

PM: Well, get lost, will ya, it's been a tough season.

ME: Tell me, Mr. Pitching Machine, really, aren't you a little sorry that it's all over?

PM: Are you kidding! All those screaming parents, and the hot sun? No thanks, I'm glad it's all over.

ME: Well...

PM: Listen, I don't mind doing my job, but around here I've had to play for both teams. I don't even get to take sides. And then there's the umpires. Boy, the umpires! I'm geared to throw nothing but strikes, you see, but there are some umpires around here who will swear up and down that I threw some balls. I'm a pitching machine, yes, but I never had to work so hard in my life.

ME: Well, I'm beginning to understand why you're so bitter, sir. Tell me, what are you going to do now?

PM: I'm going to get some sleep, that's what! I'm just sitting here hoping that no one will throw a cover over me so that I'll get rusty and never be able to throw another ball as long as I live.

ME: I can see that you're not in the mood for polite introspection so I...

PM: Where'd you get that word? From some wise-cracking Colt leaguer, I suppose.

ME: Well, no, actually, I...

PM: You guys are all alike! I was perfectly happy gathering dust until you came along. Next thing you know, you'll want to hit a few.

I left the scene of my utterly indignant friend and walked back of my automobile. I remember thinking to myself, they ought to call that thing a swearing machine. And then, I thought, whoever heard of a pitching machine that could talk? Keep smilin', Sport! See you next week!

Scene and Heard

NOTRE DAME'S Fighting Irish return to New York for a football game with Syracuse on Thanksgiving Day. The game will be played at Yankee Stadium, scene of many memorable Notre Dame-Army games.

Jim Hall of the Minnesota Twins, a favorite for Rookie of the Year honors in the American League, lists hunting as his hobby. "But," says Jim, "the last two hunting seasons I was using an M-1!" Hall was released from the Army in time to make this year's spring training.

The New York Football Giants have lost the services of Johnny Counts for this season. A Naval Reservist, Counts was called to active duty last week.

Lightweight champion Carlos Ortiz is a man who gets around. Ortiz has swapped leather in Manila, Milan, San Juan and South Africa. Ortiz figures he has to keep on the move. The champion asks, "Can you imagine lightweights drawing 35,000 people to a fight in New York?"

The Pittsburgh Pirates, way out of the National League pennant chase, figure to have something to say about which team does win in '63. The Pirates have six games remaining with the Dodgers and six with the Giants in the month of September.

The Army-Navy football game will be Oct. 12. Don't get excited. That's the date for the game between the 150 pounders. The "big teams" play in Philadelphia on Nov. 30. After having early season drills at Quonset Point, R.I., for the past two years, the Navy varsity football team is drilling at Annapolis.

The Cleveland Browns have not been shut-out in a regular season game since the New York Giants blanked them in 1950. The Browns have scored in 157 consecutive NFL games.

A 2,000 kilometer (1242.74 mile) sports car race will be held at Daytona in February. Stirling Moss, now retired, will be co-director with Paul Whiteman. It's the longest such race in the United States.

Army's soccer team will meet the Air Force Academy in a soccer match in Chicago prior to the Army-AFA football game on Nov. 2.

Many football experts are selecting Northwestern as Number One college team this year.

Football Season To Open Oct. 1 With Four Teams

The Station Intramural Football season opens on October 1 with a four-team league. Nine-man-tackle football will be played.

The league will be comprised of teams from NOTS Enlisted Personnel, the Naval Air Facility, Air Development Squadron Five, and a civilian team known as the Rockets.

This will be the first season that a civilian team has played in the Intramural League.

Marine Capt. Alex Lee will coach the NOTS team, Joe Simmons, ASMI, will pilot the NAF team, Lt.(jg) Tom Kumpf will serve as mentor for VX-5, while Bill DeBejar will coach the civilian "Rockets."

Games will be played each Tuesday and Wednesday evening 7 o'clock on Kelly Field.

SPORTS QUIZ

1. What pitcher holds the career record for shutouts and how many did he have?

2. What is the most number of home runs hit by a batter who won his league's batting championship the same year?

3. There are nine players who have hit 50 or more home runs in a single season. Name seven of them.

4. Babe Ruth hit 60 home runs in 1927. Who held the record before that and what was it?

5. Dizzy Dean was the last pitcher to win 30 games in a season. Who was the last man to do it more than once?

(Answers to Quiz)

- 1. Steve Carlton, 1973; 2. Mickey Vernon, 1930; 3. Hank Greenberg, 1930; 4. Babe Ruth, 59, in 1921; 5. Grover Cleveland Alexander, 1916; and 30 and 13, 1917.

Will Ride in Parade



NOTS' SECURITY GUARD Les Norman will ride his Palomino champion "Nugget" in the San Bernardino County Fair parade tomorrow at Victorville. Parade Marshal Will Rogers Jr. will head a group of equestrians whose mounts include the best in Southern California. Norman and "Nugget" are also entered in Desert Empire Fair parade here on Sept. 21.

Merchants Enter Barstow Tourney

The Ridgerest Merchants softball team, undefeated in the Station Intramural League, have entered their team in the Barstow Annual City Tournament September 5 through 8.

The Merchants team is the solid choice to win this single elimination tournament.

Manager Buddy Deffis, will pitch Bob Kochman and Bert Anderson against the opposition which consists of teams from Fort Irwin, George AFB, Twentynine Palms MCS, Norton AFB, Edwards AFB, and two teams from the Marine Corps Supply Center, Barstow.

'Navy Night Party' At Disneyland Set for Oct. 26

Fabulous Disneyland has again been chartered by the Commandant, Eleventh Naval District, for a second "Navy Night Party."

Mark your calendar now. Save the night of Saturday, Oct. 26. The party begins at 7:30 p.m. and runs to 12:30 a.m.

Disneyland, the happiest place on earth, belongs exclusively to Naval personnel of the 11th Naval District, their dependents and guests for the gala five-hour party.

Tickets are now available at the Community Center from 9 a.m. to 5 p.m. The price is \$3 per person and here's what you get:

The run of Disneyland; admission to the Park, plus admission to all the rides, attractions, and adventures in the Magic Kingdom as many times as you wish (shooting galleries excepted).

Dancing to three outstanding bands — (1) 'under the stars' at the Park Pavilion, (2) in the Golden Horseshoe Night Club, and (3) to Dixieland music aboard the Mississippi River Boat Mark Twain.

You'll thrill to all the new Disneyland attractions as well as the popular favorites that constitute the Southland's greatest tourist attraction. There's nothing like Disneyland for young and old. Here care is forgotten while you revel in a land of fantasy and adventure.

Sign Up For Intramural Golf League Play Now

The station Intramural Golf League begins play Tuesday, Sept. 3. The league is comprised of two teams from both NAF and NOTS and a single team from VX-5.

Nine hole rounds will be played each Tuesday and Thursday with starting times at 4 and 4:30 p.m.

This is a military league and interested participants may contact the following team captains: NAF - B: LCDR. C. M. Lentz Ext. 8481; NOTS - A: O. R. Nichols, SHCA, Ext. 72238; VX-5: E. O. Henry, AEC, Ext. 8358; NAF-B: J. A. Rogers, AE1, Ext. 8486; and NOTS: D. M. Smith, QMMC, Ext. 72255.

AFW Winter Bowling League Announced

The Armed Forces Wives Bowling League will start their winter season on Sept. 12. All interested women may contact Eva Grose at ext. 77232 or Marilyn Rogers, evenings at ext. 76591.

Sam: "I got tonsillitis, followed by appendicitis and pneumonia. Then they gave me inoculations!"

Harry: "Boy did you have a time!"

Sam: "I'll say, I thought I'd never pull through that spelling test."

The Rocketeer

Official Weekly Publication of the U. S. Naval Ordnance Test Station China Lake, California. Captain Charles Blumman, Jr., USN Station Commander. "T. T." Bibby Public Information Officer. Jack G. Broward Editorial Advisor. Richard Greenberg Editor. Budd Gatt Associate Editor. Chuck Mangold Special Services Athletic Director. The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NavExos P-35, Revised July 1950. Office - 50 King St., Bldg. 00927, Phones - 71354, 71655, 72082.



Christian Science (Chapel Annex) Morning Service—11 a.m. Sunday School—11 a.m. Protestants (All Faith Chapel) Morning Worship—8:30 and 11 a.m. Sunday School—9:30 a.m., Groves and Richmond elementary schools. Roman Catholic (All Faith Chapel) Holy Mass—7, 9:30 a.m. and 12:30, 5:30 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, 8:15 p.m. Sabbath School every Saturday morning.

NOTS Pasadena News

Virginia E. Lane — Ext. 481

Sailor Of The Month



LOUIE TURNER, SN, was selected as "Sailor of the Month" for August from the U. S. Naval Ordnance Test Station, Long Beach. Turner is assigned to LCM-4. His selection was based on his military appearance, assigned duties, and his outstanding attitude towards the naval service.

PROMOTIONAL OPPORTUNITIES

To apply, contact Nancy Rear-don, Pasadena Personnel Division, Extension 104. An up-to-date SF-58 must be submitted when applying.

Stock Control Clerk (Typing), GS-4, PD: 3P25001, Code P2581; Long Beach. Incumbent will process, coordinate and control receipt, delivery, and inspection documents; prepare, distribute, coordinate and control all traffic and transportation documentation, both incoming and outgoing; followup and expedite pending orders; and establish open-order receipt control liaison files.

Personnel Statistics

Terminations

UOD—Virginia Duggins, Clerk Typist; Harold C. Vickroy, Mechanical Engineering Technician.

Quote: "If it weren't for all this extra leisure time we have these days I don't know how I'd get my work done."
—National Safety Council

RAdm. Lewis C. Coxe Visits NOTS Pasadena



DISTINGUISHED VISITOR—Rear Admiral Lewis C. Coxe, who recently assumed command of the Southwest Division, Bureau of Yards and Docks, visited NOTS Pasadena Wednesday for an orientation program and a tour of facilities. Greeted by Capt. Grady H. Lowe, Pasadena Officer in Charge (left front), RAdm. Coxe was also welcomed by LCdr. R. M. Hendricks, Assistant to Public Works Officer for Pasadena (left rear), and Capt. C. A. Reilly, NOTS Public Works Officer (right rear). He also met with D. J. Wilcox, Head, Underwater Ordnance Department, and Capt. F. F. Reck, Plans and Operations, China Lake (right rear). After discussions on Public Works Construction Projects, RAdm. Coxe toured the research facilities including the VAT, Simulator and Computer Center, Environmental Laboratory Area, and viewed the Numerically-Controlled Milling Machine.

Security Commandments

- (Prepared by NEL Security Office)
- (1) Thou shalt always determine "Need to Know" and proper clearance when releasing classified information.
 - (2) Thou shalt not discuss classified information in public places, or on the telephone, or with thy spouse!
 - (3) Thou shalt secure all classified documents in appropriate storage containers whenever you cannot exercise "in use" controls!
 - (4) Thou shalt remove classified matter from the premises only through use of U. S. Registered Mail, or as an approved courier!
 - (5) Thou shalt appropriately mark all classified documents and letters of transmittal!
 - (6) Thou shalt process visit requests whenever you desire to have access to classified information at any location other than your own!
 - (7) Thou shalt report all discrepancies — unlocked cabinets, losses, and the like — as soon as you become aware of them.
 - (8) Thou shalt transmit classified documents to location only when they have been approved to receive them.
 - (9) Thou shalt destroy classified documents in accordance with the requirements established by the Department of Defense!
 - (10) Thou shalt not publicly release unclassified information on any classified project without written approval by the Department of Defense!



VAT OPERATORS—Westinghouse personnel flank the one-fifth scale Polaris test missile used for testing in the Variable Atmosphere Tank (in background). Shown (l-r back row) —Walter Reed, A. S. Downs, C. W. Hurd, Jack Wendt, and Ron Barchard. Front row—

Howard Tsutsui and C. H. McIntyre. Unable to be present for photo were S. Balog, B. J. Bast, D. M. Campbell, S. Duardo, C. R. Halunen, B. W. Hatch, R. D. Robertson, J. T. Walker, and B. W. Lilly.

Record Eight-Launch Day

On August 15, 1963, Westinghouse personnel operating in the Hydroballistic Lab in Bldg. 14, NOTS Pasadena, celebrated the eight-hundredth Variable Atmosphere Tank launch during a record eight-launch day. The VAT is the one-fifth scale Polaris Launch Research Facility operated by Westinghouse for NOTS.

Personnel operating the VAT are part of the Sunnyvale Division (Westinghouse) Project "A,"

involved with development, fabrication, and test of Polaris Underwater Launch equipment.

The success of the VAT program has depended to a large extent on the close coordination between Station and Westinghouse Personnel. The cooperation received by Westinghouse from Station personnel has been outstanding.

Westinghouse has the responsibility of conducting tests required by the one-fifth scale Po-

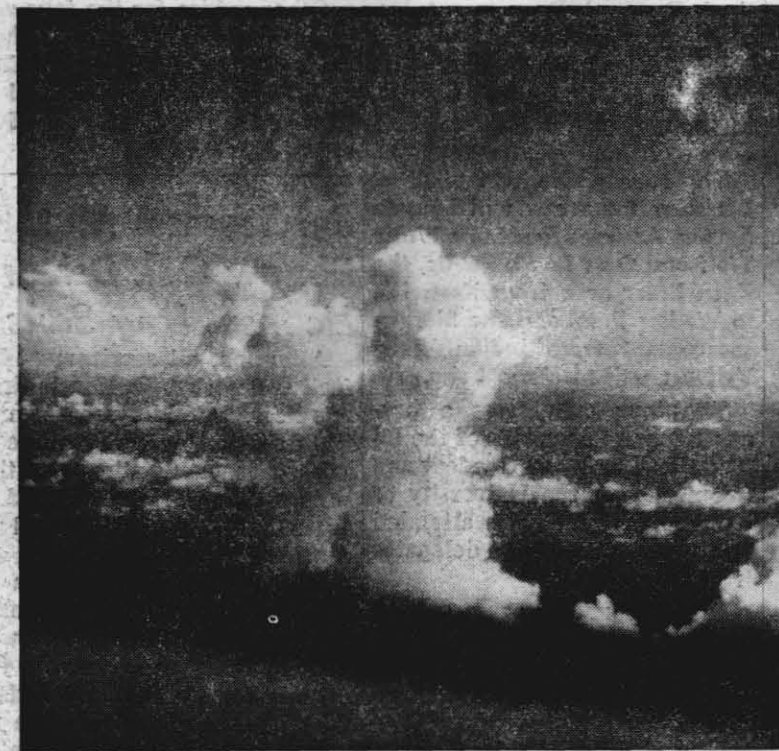
laris Model Launch program. In addition, the facility is used by NOTS for various types of special tests as required.

The VAT Facility provides a relatively inexpensive method of checking many complex aspects of Polaris launching, and with its quick-change capability, can readily assist with problems concerning advanced concepts or those encountered during full scale development or operations.



PRESENTATION of a 20-year pin is made by Capt. G. H. Lowe, Officer in Charge, to Grant T. Parks, Electronic Mechanic in the Underwater Ordnance Department. Parks' government career includes seven years in military service and thirteen years with NOTS China Lake and Pasadena. Ceremonies included awarding a 5-year pin to Fiven Gomez, also in UOD, and "Girl Friday" at Morris Dam.

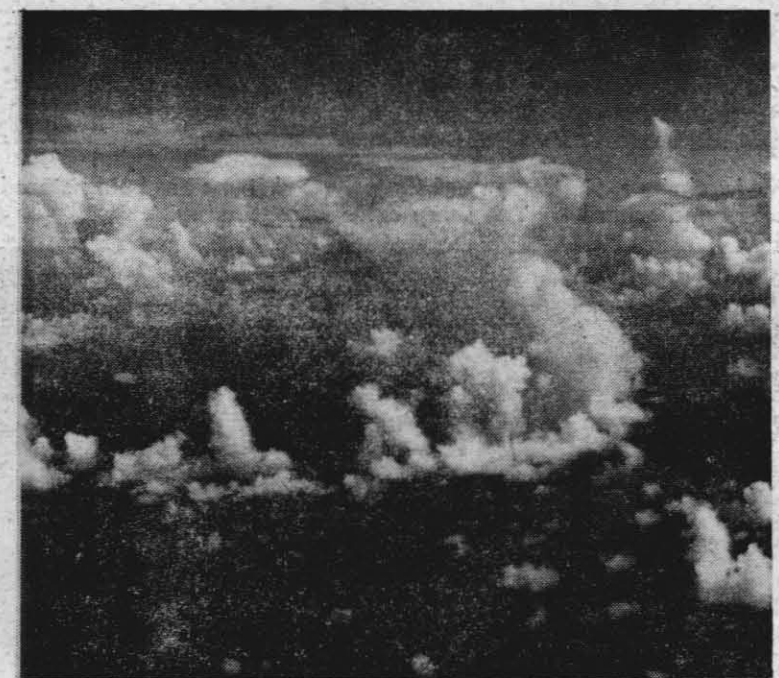
STORMFURY - NOTS Devices Rip Wall of Hurricane Beulah



MONITORING PLANE moves in closer to the seeded cloud at altitude of 18,000 feet. Cloud top is still rising.



TURBULENCE inside the cloud now completely changes its symmetry due to the effect of the ALECTOs silver iodide.



TOP LEFT portion of the cloud (right center) darkens and downpour of rain begins. Project's next target was 'Beulah.'

(Continued from Page 1)
cessive quantities of the silver iodide were dropped.

"The reasonably comparable effect indicates that two dropped in the right place can do the job desired," Dr. St. Amand observed.

Along Comes "Beulah"

"We were about to wrap up the project on that Wednesday," recalls Donnan, "but then we got the word that the Tiros satellite had spotted a suspicious disturbance. This, of course, turned out to be 'Beulah.' We were elated. We had hoped we'd get a chance to meet her. We did."

She was 900 miles east of Puerto Rico. The track was favorable and conditions appeared good for seeding.

Hurricane Hunter planes from Roosevelt Roads, P. R., went out and looked her over. They were optimistic and continued surveillance through Thursday.

At 7 a.m. Friday the word went out: Seed it.

At 9 a.m. the observation planes took off. Three Weather Bureau craft and two Hurricane Hunters monitored Beulah for 2½ hours. One of the Navy Hurricane Hunters stood by as a control craft for all the planes involved. While three photo planes flew at high altitudes, two A3-Bs penetrated the storm at approximately 3 p.m.

Silver Iodide Effective

"We went in at about 35,000 feet," Dr. St. Amand reports, "and dropped eight CYCLOPS II canisters, which gave off a total of 480 pounds of silver iodide smoke, plus 47 ALECTOs, producing 235 more pounds of silver iodide smoke. We were on a course outbound from the 'eye' of the hurricane and the crystals hit the northeast quadrant of the wall cloud for a distance of about 20 miles.

"An effect was noticed almost immediately. The north wall of the storm disappeared on the radar screen. Twenty minutes later, visual observation from several planes confirmed that the wall was gone."

Before the seeding was begun, winds were 75 to 80 knots around the "eye" which was 20 to 25 miles in diameter. The cloud top was over 50,000 feet.

"Eye" Down, Winds Up

The next day when the planes went out to seed the storm again, the "eye" was no more than 17 miles in diameter. Winds had increased to a maximum of 120 knots.

Eight CYCLOPS II and 59 ALECTOs were dropped, producing a total of 775 pounds of silver iodide smoke along a course 30 to 35 miles long.

"Again the wall cloud broke open on radar and visual observation appeared to verify the result. The seeding simply knocked a hole in that wall," Donnan observed.

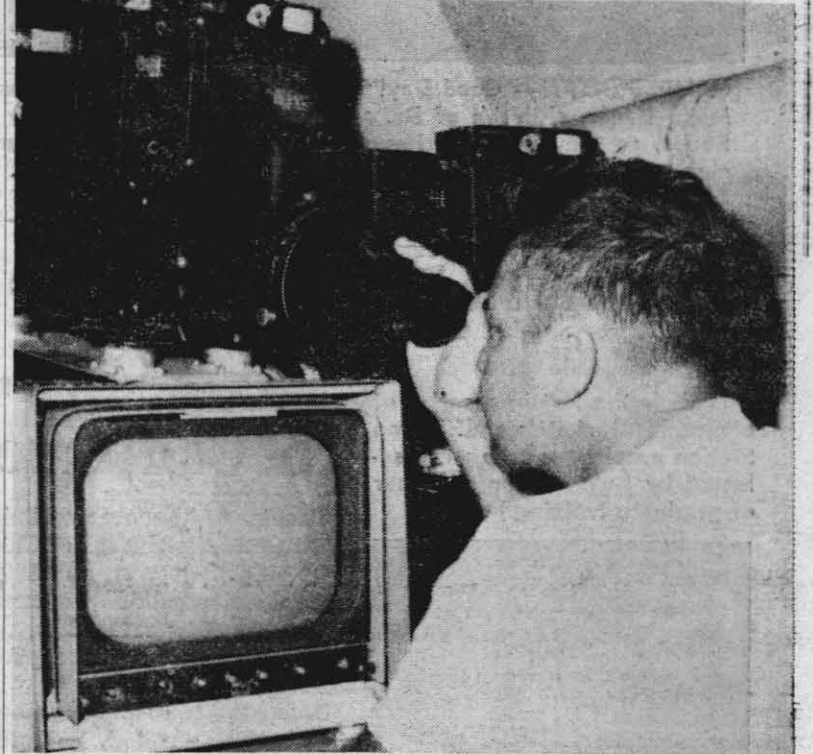
The scientists point out that these are, of course, immediate observations, and that it will take a long time to examine all the data gathered and determine the full results of the project. Everyone involved, however, is highly optimistic.

Dr. Paul Jorgensen, recently assigned to the STORMFURY project at NOTS from the Bureau of Weapons' Meteorological Division, witnessed actual seeding operations for the first time.

"It was a most impressive sight. I'm convinced we're on the right track now. It was a real pleasure to work with such an



WITH NOTS' CYCLOPS II dispensers in A3-B bomb racks above them, Dr. Pierre St. Amand (left), head of China Lake's Earth and Planetary Sciences Division, and Cdr. J. F. Barlow, CO, VAH-11, wear smiles of anticipation of meeting a hurricane named "Beulah."



TELEVISION screen aboard monitoring plane allows view of clouds in front and to left of plane. Weather Bureau technician is viewing radar presentation of clouds which would be visible on the television screen.

enthusiastic group."

NOTS Men Lauded

Equally elated were Maurice Hamm and Jack Depew of NOTS Aviation Ordnance Dept., both of whom were instrumental in the design of the bomb release systems for CYCLOPS and ELECTO and who performed a highly commendable job in keeping the aircraft and electronic systems in top working condition.

William Burson of Dr. St. Amand's staff and R. C. Noles of the Engineering Dept. supervised the ordnance handling, loading and unloading many times.

"These four men were the hardest working, most dependable and conscientious group I have ever been privileged to work with," Donnan said.

Lt. Jack Phelps, who was "borrowed" from the Aeromechanics Division of Weapons Development for the project, acted as military liaison.

Among many NOTS personnel who have contributed so much to STORMFURY but remained here were Drs. Lohr Burkart and William Finnegan, discoverers of the new propellant which produced great quantities of the silver iodide smoke emitted by the CYCLOPS and ALECTO hardware.

Once this "pyrotechnic breakthrough" was achieved, Ronald F. Vetter of the Propulsion Development Dept. put together the propellant formulation which resulted in the CYCLOPS II.

Credit for the design of the

CYCLOPS II canister goes to G. V. Binns of the Engineering Dept., and John Burmeister, also of Engineering, designed the ALECTO.

Other Team Members

Members of the team besides those from NOTS included personnel and craft from Airborne Early Warning Squadron 4, skippered by Cdr. S. R. Overall and based at Roosevelt Rds., Puerto Rico, who kept track of eight airplanes simultaneously, at different speeds and in different directions, and got them to their correct positions at the right time; the A3-B seeding planes and crews from VAH-11 at Sanford, Fla., commanded by Cdr. J. F. Barlow, the CO, and LCdr. Richard Davidson; the Weather Bureau representatives who gathered the scientific data on instruments in two DC-6s, a B-57 and a B-26; and Photographic Squadron 62 based at Jacksonville, Fla., commanded by Lt. Cdr. H. Love.

James McFarland of TID took movies of the entire project for the Documentary Film Dept., and Lee Mascarello, PH2, handled the still photography.

A wise person puts his problems away for a rainy day.

—National Safety Council

The world's largest transportation library, with 100,000 items is located at the University of Michigan at Ann Arbor.

Two China Lake Women Become U.S. Citizens

Two China Lake women, Christel Maria McCall and Doris May Taylor, are now citizens of the United States following colorful ceremonies in Superior Court at Bakersfield.

Mrs. McCall, whose husband, James, works in the Material Division of the Supply Dept., is a

native of Germany. Mrs. Taylor was born in Great Britain. Her husband, Henry, is employed in the Maintenance and Utilities Division of Public Works.

The McCalls live at 313-A Forestal, and the Taylors at 405-B Langley St.



GRUESS GOTTI—"Good Day!" say Susie and Michi Bauer, children of Dr. and Mrs. Ernst Bauer, as they welcome Henning Roth, foreign exchange student from Germany, to China Lake with flowers and in Bavarian costumes.

Observing welcome are Roth's foster family (l-r) Robert, Ted and Mef McAllister. The German youth will enroll as a senior at Burroughs.

Station Scientists to Conduct International Group on Tour

Three members of the Station's Research Department, Dr. Pierre St. Amand, Dr. Rene Engel, and Dr. Roland Von Huene, are scheduled to conduct a group of international scientists on a five-day seismological study tour.

The tour which will start at Berkeley tomorrow will include the San Andreas Fault, the White Wolf and G a r l o c k Faults, the Kern River area from Kernville to Walker Pass, and the Sierran escarpment from Indian Wells Valley north to Mono Lake.

The tour culminates a two-week general assembly of the International Union of Geodesy and Geophysics at the University of California which was attended by approximately 3,000 delegates from 60 countries.

Internationally known authorities who spoke at the meet included Dr. Jerome B. Weisner, President Kennedy's chief scientific advisor; Professor V. V. Belousov of the Soviet Academy of Sciences, president of the Union; Thomas F. Malone, president of the American Geophysical Union; Professor Harrison Brown of the California Institute of Technology; and Donald H. McLaughlin, University of California Regent.

Servicemen Must Renew Cal. Driver's License, Law Says

Attention, all servicemen! Effective Sept. 20, California driver's licenses held by servicemen will expire. A driver's license of any serviceman stationed in this state which has expired and is not renewed by Oct. 20 will be considered void.

In the past, a California license held by men in the military did not have to be renewed as long as they remained in the service. But a change in the state vehicle code now makes the renewal mandatory for the military as well as other individuals.

The code does not apply as long as the serviceman remains outside the state. Applications for renewal of driver's licenses may be made at any DMV office.

Graduate Study Awardee

(This is the last in a series of biographical sketches of seven Station employees who were selected by BuWeps for one year of graduate training.)



JAMES E. CRAWFORTH

James E. Crawford, an electronics engineer with the Aviation Ordnance Department, will enter the University of California at Berkeley to work for his M.S. degree in electrical engineering.

He is the fourth AOD employee to be selected for the program. Others were Jim Carter, Don Orton, and Joe Boyajjan.

Crawford obtained his elementary education in Boise, Idaho, and attended Boise Junior College for two years then transferred to the University of Idaho where he received a B.S. degree in electrical engineering.

He came to NOTS in June of 1956 under the Junior Professional Program. On completion of the JP Program he was assigned to AOD and has been with AOD ever since.

He married Janette O'Neal of Boise while attending the University of Idaho.

They have four children, Pam, 8; Cheryl, 6; Ronnie, 5, and Brian, 3. The Crawfords will reside at Walnut Creek while Jim is attending the University.

"I'm elated over the selection," Crawford said. "I've been taking UCLA extension courses ever since I've been here but I'm sure I couldn't have completed my work for an advanced degree without the aid of the BuWeps and Station Program."

Scrap Drive Big Success, To Continue

Thanks to the overwhelming response of the citizens of China Lake and Ridgecrest, last Saturday's scrap metal drive, sponsored by the Ridgecrest Elks, was successful beyond all expectations.

Due to the tremendous amount of material donated, volunteer workers were unable to pick up all articles and therefore the drive continues.

Participation by local business firms and individuals who are furnishing trucks, drivers and volunteer labor or donating material is outstanding.

The mountain of metal at the Ridgecrest County Water District compound on Ridgecrest Blvd. and Norma Street continues to grow as more and more articles are donated to help the Elks Project for Handicapped Children and the Ridgecrest Swimming Pool achieve its goal.

Get rid of your unwanted junk and contribute to a good cause at the same time.

All those who were missed in the rush are asked to call if they have scrap to be picked up or can help out. Call Cliff Wright at NOTS extension 72295 or 77642 or J. B. McKernan at FR-87841 or 88801.

Membership Tea Set For September 10

Sun 'N Fun Shifts 'N Sun Hats is the theme for the annual WACOM Membership Tea this year. The event is to be held Tuesday Sept. 10 from 3 to 5 p.m. on the Lanai at the Commissioned Officers Mess.

An informal and pleasant afternoon has been planned in order that old members and prospective new members may become better acquainted and learn more about the activities of the Womens' Auxillary of the Commissioned Officers Mess.

All women eligible for membership in this organization are invited to attend.



SUCCESS OF SCRAP DRIVE is obvious at the County Water District compound where many of the collected items are being stored. The scrap drive is continuing.



ONE OF MANY CAR BODIES offered to the scrap drive is this one belonging to Mr. and Mrs. James Richardson of 47-A Stroop. Don't forget the bottles, boys.

Elementary School District Zoning Outlined

Elementary school zone lines and transportation schedules were outlined this week by China Lake School officials.

It is suggested that parents use the map on the back of the Naval Station telephone directory as an aid in the interpretation of the following school zone descriptions.

First Grade Zone

Richmond School first grade zone includes all the area north of Halsey and Bowen Ave., as well as the area enclosed by a line drawn from the corner of Halsey and Lauritsen, south on Lauritsen to Groves, east on Groves to Richmond Road, (including houses on both sides of Groves) and north on Richmond Road to Halsey.

Bus transportation is slated for some first grade pupils assigned to Richmond School, who will be picked up at Thompson and Richmond Road at 8:05 a.m.

The bus will leave Richmond School at 1:20 p.m. and drop pupils off at Thompson and Richmond Road.

Rowe Street School first grade zone includes the area enclosed by a line drawn from the corner of Knox Road and Halsey, east on Halsey to Lauritsen, south on Lauritsen to Hornet, east on Hornet to Richmond Road, south on Richmond Road to Ranger, west on Ranger to Lauritsen, north on Lauritsen to Langley, west on Langley to Rowe (including houses on both sides of Langley), southwest on Rowe to Knox Road (including houses on both sides of Rowe), and north on Knox Road to Halsey.

Vieweg School first grade zone includes the trailer court and all of the Site "B" Cape-

hart houses. Desert Park School first grade zone includes the entire Desert Park housing area.

Second Grade Zone

Richmond School second grade zone includes all the area north of Halsey and Bowen Avenues.

Groves School second grade zone includes the area enclosed by a line starting at the corner of Knox Road and Halsey, going east on Halsey to Richmond Road, south on Richmond Road to Ranger, west on Ranger to Lauritsen, north on Lauritsen to Langley, west on Langley to Renshaw (including houses on both sides of Langley), west on Renshaw to Knox Road, and north on Knox Road to Halsey. Also included in the Groves second grade zone is the entire Desert Park housing area.

Bus transportation will be provided for second grade pupils living in Desert Park and assigned to Groves School. They will be picked up at Searles and Dorado and Prospect and Toro Sts. at 8:15 a.m.

The bus will leave Groves School at 1:15 p.m. and drop pupils off at Sandora and Dorado; Prospect and Toro Sts.

Vieweg School second grade all of Site "B" Capehart housing, and an area enclosed by a line drawn from the corner of Ringgold and Langley, going east on Langley to Rowe, south and west on Rowe to Knox Road (including houses on both sides of Rowe), north on Knox Road to Randolph, and east on Randolph to Ringgold.

There will be no second grades at Desert Park School.

Third Grade Zone

Richmond School third grade

zone includes all the area north of Halsey and Bowen Avenues.

Rowe Street School third grade zone includes the area enclosed by a line drawn from the corner of Knox and Halsey, going east on Halsey to Richmond Road, south on Richmond Road to Ranger, west on Ranger to Lauritsen, north on Lauritsen to Langley, west on Langley to Renshaw (including houses on both sides of Langley), west on Renshaw to Knox Road, and north on Knox Road to Halsey. Also included in the Rowe School third grade zone is the area in Desert Park housing enclosed by a line drawn from the corner of Prospect and Bonita, going southeast on Prospect to Dorado, northeast on Dorado to Sandora, southeast on Sandora to Cisco, southwest on Cisco to Arondo, northwest on Arondo to Dorado, southwest on Dorado to Carricart, northwest on Carricart to Bonita, and northeast on Bonita to Prospect (including houses on both sides of Cisco, Arondo, Carricart, and Bonita).

Bus transportation will be provided for third grade pupils living in Desert Park and assigned to Rowe Street School. They will be picked up at Sandora and Dorado and Prospect and Toro Sts. at 8 a.m.

The bus will leave Rowe School at 2:20 p.m. and drop pupils off at Sandora and Dorado; Prospect and Toro Sts.

Vieweg School third grade zone includes the trailer court and all houses in the Site "B" Capehart area, as well as the area enclosed by a line drawn from the corner of Ringgold and Langley, going east on Langley to Rowe, south and west on Rowe to Knox (including houses on both sides of Rowe), north on Knox to Randolph, and east on Randolph to Ringgold.

Vieweg School fourth grade zone includes the trailer court and all Site "B" Capehart housing and the area enclosed by a line drawn from the corner of Knox Road and Forrestal, east on Forrestal to Independence, southeast on Independence to Renshaw, southwest on Renshaw to Langley, east on Langley to

Desert Park third grade zone includes the area enclosed by a line drawn from the corner of Searles and Bonita, southwest on Bonita to Prospect (including houses on both sides of Bonita), southwest on Prospect to Dorado, northeast on Dorado to Sandora, and east on Sandora to Cisco (including only the even numbered houses on Sandora).

Fourth Grade Zone

Richmond School fourth grade zone includes all houses to the north of Halsey and Bowen Avenues and all Desert Park housing.

Bus transportation will be provided for fourth grade pupils living in Desert Park and assigned to Richmond School. They will be picked up at Prospect and Toro and Sandora and Dorado at 7:55 a.m.

The bus will leave Richmond School at 2:55 p.m. and drop pupils off at Prospect and Toro; Sandora and Dorado Sts.

Rowe Street School fourth grade zone includes the area enclosed by a line drawn from the corner of Knox and Halsey, going east on Halsey to Richmond Road, south on Richmond Road to Ranger, west on Ranger to Lauritsen, north on Lauritsen to Langley, west on Langley to Renshaw (including houses on both sides of Langley), north on Renshaw to Independence, northwest on Independence to Forrestal, west on Forrestal to Knox Road, and north on Knox Road to Halsey.

Bus transportation will be provided for sixth, seventh and eighth grade pupils from Desert Park who attend Murray School. The pick-up points for such students will be Prospect and Toro and Dorado and Sandora Sts. at 7:20 a.m.

Buses will leave Murray School at 2:35 p.m. to drop-off sixth grade Desert Park pupils only at Prospect and Toro.

Buses will leave Murray School at 3:10 p.m. to drop-off seventh and eighth grade pupils at Prospect and Toro.

No Bus for Site "B" Transportation will not be furnished for sixth, seventh and eighth grade pupils residing in the Site "B" Capehart housing area, China Lake School officials announced.

Burroughs High School Bus Schedule

China Lake Bus Route		Bowman & Gateway 7:57 3:32	
Bus No. 47		Gateway & Primrose 7:59 3:34	
Driver: John Battistone		Gateway & Saratoga 8:01 3:36	
Leave		Bowman Rd. & County Line Rd. 8:04 3:39	
1st Trip —	a.m. p.m.	Thunderbird Rnch 8:06 3:41	
Leave School	7:30 3:10	Arrive	
Nimitz Ave. & Leyte	7:37 3:17	a.m. p.m.	
Nimitz Ave. & Wasp Road	7:40 3:20	Burroughs H. S. 8:15 3:50	
Nimitz Ave. & Dibb Road	7:43 3:23	Inyokern and North Ridgecrest Bus Route	
Arrive		Bus No. 1.	
Burroughs H. S.	7:50 3:30	Driver: Chuck Hodges	
Leave		Leave	
2nd Trip —	a.m. p.m.	a.m. p.m.	
Leave School	8:00 3:35	7:05 4:21	
Kearsarge & Leyte	8:07 3:42	Ridgecrest Blvd. & Jack Ranch Rd. 7:15 4:11	
Kearsarge & Kelly	8:09 3:44	Brown Rd. (Old 395 hy.) & Lelitte Rd. 7:30 3:56	
Kearsarge & Blue-ridge	8:11 3:46	Brown Rd. & Bayer Place 7:32 3:54	
Blueridge & Lexington	8:13 3:48	Brown Rd. & 1/2-way between Bayer & Sneeds Place 7:34 3:52	
Lexington & Enterprise	8:15 3:50	Brown Rd. & Sneeds Place 7:36 3:50	
Arrive		Brown Rd. & Keene Place 7:38 3:48	
Burroughs H. S.	8:20 3:55	Brown Rd. & Athal 7:40 3:46	
Late Bus —		Highway 395 & Clodt's Place 7:43 3:43	
Leave school at 4:05 p.m., take students to China Lake and Ridgecrest as necessary for late Driver Education Class and other late meetings.		Inyokern at Art & Helen's Cafe 7:50 3:36	
Ridgecrest Bus Route		Inyokern Rd. & Alfalfa Field 7:53 3:33	
Bus No. 8		Inyokern Rd. & China Lake Acres 7:56 3:30	
Driver: Ernest McCown		Jensen & Atkins 8:00 3:26	
Leave		Jensen & Bennett 8:02 3:24	
Leave School	7:35 3:10	Reeves & Burrels 8:04 3:22	
Sunset & Upjohn	7:40 3:15	Bennett & China Lake Blvd. 8:07 3:19	
Downs & Langley	7:43 3:18	Arrive	
Downs & Midway	7:45 3:20	a.m. p.m.	
Downs & Sullivan	7:47 3:22	Burroughs H. S. 8:16 3:10	
Downs & China Lake Blvd.	7:49 3:24		



SONOMA COUNTY NAVY LEAGUE members are shown awaiting an aerial demonstration at "B" Range. The group, consisting of 15 men, made a tour of the ranges and other facilities while visiting the Station last week.

Santa Will Receive Letters via ZIP Code

Washington (AFPS) — Santa Claus will receive letters this year by ZIP.

Postmaster General J. Edward Day unveiled this year's Christmas stamp and revealed that even Santa Claus has a ZIP code number.

It was one of the last official acts of the postmaster general

before stepping down to return to private law practice.

The new five-cent stamp is a three-color reproduction of a lighted National Christmas tree behind the White House. It is blue, green and red on white paper and is slated to go on sale early in November.

In answer to a letter from two

children, Mr. Day disclosed that Santa's ZIP code is 99701.

ZIP stands for the department's new Zone Improvement Plan aimed at more efficient distribution of mail throughout the country.

When you write Santa, address your letter to the North Pole, and be sure to use ZIP code No. 99701.

Special Schedule Set For Opening Day at Murray

Murray School will operate on a special schedule for the opening day of school Tuesday, Sept. 3 only. Students in Grades 5 and 6 will find their classes by checking the lists posted on hall doors in the buildings located on the west side of the Murray School Campus. Fifth Grade classes are located in Rooms 31, 47, and 40 through 45. Sixth Grade classes will be held in Rooms 30 and 32 through 38.

Construction Plans Split Groves Campus

Elementary school zone lines and transportation schedules were outlined this week by China Lake School officials. It was reported that plans for construction of new school facilities and the rehabilitation of the Groves School main classroom building posed new problems in classroom assignment and pupil zoning.

Split Campus For Groves
Carl Baker, the Groves School Principal, will have two campuses under his jurisdiction. The Groves campus huts and permanent kindergarten building will serve five classes of second grade and four classes of kindergarten pupils. The Rowe Street campus will provide classes for three first grade classes, four third grade classes, and two fourth grade classes. The Groves campus cafeteria will provide hot lunch service for the children of both campuses. Barker's office will be located at the Rowe Street School. Phone numbers are 71654 or 71567.

Children new to the district who have not yet registered must register at the district office located at Murray School before assignments to school and class can be made. The office is open from 7:30 a.m. to 4:30 p.m. Monday through Friday, except during the 11:30 to 12:30 lunch hour.

The regular daily schedule will begin on Wednesday, Sept. 4.

Information For Parents of Kindergarteners
Parents of kindergarten children registered before the opening of school were to be contacted by a teacher during the past week to be given information on school attendance and what time the parent and child will be expected the first day of school.

Registration continues at the Burroughs High School campus for all courses through Sept. 16, Dean Omar H. Scheidt said.
The following courses still need enrollment:

Office Skills 50A, (Beginning typing); Office Skills 51, (Intermediate typing); Art 33A, (Elementary photography); English 52A, (Reading Improvement); Math 3A, (Calculus); Life Science 11A, (Introduction to Life Science) and Life Science 53, (General Biology).

Also Chemistry 1A, (General inorganic chemistry) and Chemistry 2A, (Introductory general chemistry); Physics 1A, (Mechanics); Physical Education 6S (Beginning swimming) and Physical Education 5M (Modern dance).

Three classes in music also need additional enrollment, Dean Scheidt said. They are Music 5A, (Class piano), Music 9, (Public school music) and Music 14, (College choir).

Classes in conversational German, Russian and Spanish may also have to be closed unless more students register.

Dean Scheidt also announced that Aug. 31 would be the last day for placement testing. Beginning at 8 a.m. in the Multi-Use Room, tests will be given for placement in English, chemistry, mathematics and social sciences.

Enrollments Needed In Some BJC Courses

The local division of Bakersfield College announced this week that a number of classes scheduled for the fall semester are still low in enrollment and may have to be dropped unless more students register in them.

Regular Schedule On Opening Day At Burroughs Hi
Classes at Burroughs High School will begin at 8:25 a.m. Sept. 3, and will be on regular schedule until 3:05 p.m.

Beginning at 8 a.m., students may pick up their program schedule cards at the following locations:

Ninth Graders at the attendance office windows; 10th graders at the west end of building D; 11th graders at the south end of the administration building; 12th graders at the east end of building C.

It is necessary for students to have their program schedules since this will be their means of admittance to classes. Students who have enrolled for early morning classes will get their schedules at 8:00 a.m. and report to class immediately. Maps of the campus will be available for new students at the attendance office.

The lunch period will be from 11:25 a.m. to 12:05 p.m. School will be dismissed at 3:05 p.m. Burroughs High bus schedules are on Page 8.

Altar Society Holds Monthly Meeting
After reception of three new members, Benediction of the Blessed Sacrament, and Rosary, the Rosary Altar Society of NOTS Catholic Church held its regular monthly meeting Tuesday evening in the East Wing of the Chapel.

Father Costa addressed the group commenting on the organization and attendance through the summer months. He would like to see all seventy eight members attend the monthly meetings and Corporate Communion to receive the Spiritual Treasury of Wealth given through participation and membership.

Church Plans Picnic
The NOTS Catholic Church will hold a Parish Picnic Sat. Sept. 7 from 4:00 — 10:00 p.m. at the Inyokern Park.

A delicious menu of hamburgers, hot dogs, baked beans, all the trimmings, and drinks has been planned by the Holy Name Society, Knights of Columbus, and the Rosary Altar Society. The food will be prepared in the new mobile kitchen made for Chapel use by the Public Works Dept.

For entertainment there will be games for all, dancing, music by the well known Sweet Adelines, and numerous door prizes donated by the Ridgcrest Merchants.

Tickets may be purchased after all Masses Sunday or by contacting any member of the Rosary Altar Society or the Holy Name Society.

Photo Society Meet
The China Lake Photographic Society will present a program prepared by Anso entitled, "How to Make Better Exhibit Pictures." These are black and white salon type photographs and should be especially interesting to those who plan contest or exhibit pictures. The program is scheduled for Sept 4 at 8 p.m. at the Photo Hut, McIntire St.

BuMed, Dental Corps Observe Anniversaries

Another year of outstanding service, embodying the highest traditions of the Navy, is being celebrated this month for two time-honored organizations, the Bureau of Medicine and Surgery, and the Navy Dental Corps.

The Station's Medical Department observes the 121st anniversary of BuMed tomorrow. The Station's Dental Department observed the Navy Dental Corps' 51st birthday August 22.

Long known for its mission of preserving and maintaining the health of those dependent on it for such care, the Navy's Bureau of Medicine and Surgery continues to grow through advanced medical research and development.

More Progress
Locally, the NOTS Medical Department, headed by Cdr. Richard B. Speaker, MC, USN, Senior Medical Officer, reports another year of progress in a far-reaching medical program unexcelled by any in the nation. The Station Hospital at China Lake is vitally concerned with all phases of life in the community, and advises the Command and Station departments on matters that may affect the health of naval and civilian personnel and their dependents. Each year, as the community grows, the patient load at the hospital increases.

Record of Work
In-patient and out-patient care to military personnel and their dependents, and medical support to more than 4,500 employees in the Industrial Health Program, is provided by the Station Hospital. A record of the hospital's work accomplished during the period from July 1962 through June 1963, is as follows:

Limited physicals	3,810
Screening physicals	10,398
Immunizations	10,543
Routine sick calls	37,296
Pharmacy issues	18,602
X-rays	4,804
Total admissions	625
Births	181
Total sick days	3,029

In addition to the Senior Medical Officer, the Station hospital medical staff includes LCdr. T. S. Kent, Lt. J. D. Tolmie, Lt. J. M. Lord, Lt. A. A. Pearre, and Lt. M. M. Soifer. Lt. J. R. Anderson is the Flight Surgeon at the Naval Air Facility, and Lt. S. L. Tope, the Flight Surgeon for the VX-5 Air Development Squadron.

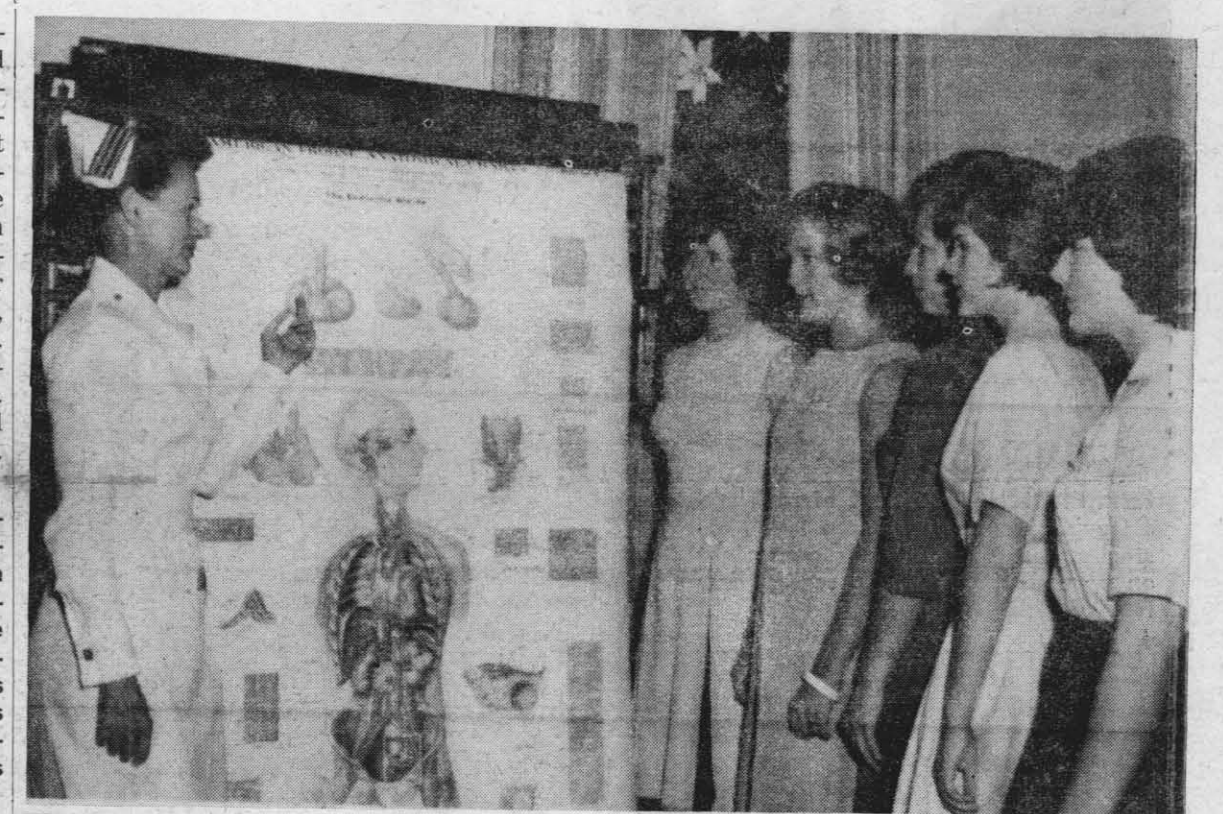
Emphasis on Comfort
Commenting on the significant advances continually being made over the entire field of dentistry, Captain Chudzinski noted that, "Increased emphasis is being placed on patients' comfort which puts them at ease and helps take their minds off some of the unpleasant procedures that have to be accomplished. Most notable of these in recent years is the development of the high-speed handpiece and tungsten carbide burs which reduce the time of cavity preparation by more than half."

New and more potent local anesthetics with less unpleasant side effects make dental procedures painless. New dental furniture such as the contour chair is gradually replacing the old, hard and uncomfortable chair. The Dental Department expects to have all of the operating rooms equipped with new contour chairs in a few months.

Civilian Nurses Needed
At present there are three vacancies at the hospital for civilian nurses. "We are anxious to fill these vacancies as soon as possible," remarked Mr. Christopher, pointing out that the hospital must stand ready at all



FREQUENT CONFERENCES and briefings held by Cdr. Richard B. Speaker (seated, left), Senior Medical Officer of the NOTS Medical Department, assures complete coordination between staff members (seated, l. to r.) LCdr. T. S. Kent, Lt. J. D. Tolmie, and (standing, l. to r.) Lt. J. M. Lord, CWO R. F. Christopher, Lt. J. R. Anderson, Lt. S. L. Tope, and CWO G. L. Higgins.



"YOU'LL HAVE to know these medical terms by heart," explains Cdr. Frances A. Nelson (left), Senior Nurse at Station Medical Department, to five Burroughs High students bent on becoming registered nurses. Girls touring the Station Hospital with Cdr. Nelson this week are (l. to r.) Jennifer S. Ewing, Rita M. Mussler, Sharon A. Sweetblom, Rose M. Coslett, and Nancy J. Hagadon.

porcelain and plastic teeth that defy detection are now being used.

Water Fluoridated Here
"Perhaps the most heartening development is the gradual nationwide acceptance of artificial fluoridation in communities that do not have naturally fluoridated water. The incidence of dental decay can be reduced from 40 to 50 percent in those who drink fluoridated water from infancy. When one considers that decay is a disease that is second only to the common cold this is a significant advance. Children born and raised in China Lake are quite fortunate as China Lake's water is naturally fluoridated."

An impressive record of services rendered by the Dental Department for military personnel and their dependents over a one year period is as follows: A total of 11,650 procedures (any services from a diagnosis to a final fitting of dentures); 3,945 restorations; 175 bridges, crowns and full and partial dentures; 300 extractions; and 1,875 X-rays.



PROFESSIONAL PRIDE in their work is evident here as NOTS Senior Dental Officer, Capt. J. G. Chudzinski (seated), discusses an unusual case with his staff officers, (l to r.) Lt. T. S. Proteau and LCdr. H. W. Hodson.

Mountain Rescue

(Continued from Page 7)

cropping visible west of U. S. Highway 6, a short distance south of the Walker Pass Road.

These sessions are conducted by qualified experts of the group. Beginners are drilled in the use of pitons, carabiners, slings, belay and rappel and prusik techniques, the care of ropes, and oral climbing signals.

Men or women who are interested in learning about mountaineering, search and rescue techniques are welcome to attend these practice sessions.

Why Do They Do It?
"We enjoy climbing mountains," explains veteran Carl Heller, "and this way we're also providing a community service."

Ray Van Aken expresses it as "One can feel a sense of mastery, a new confidence of pitting yourself against nature."

Members of the group have braved severe temperatures and endured many a sleepless night climbing cliffs to aid someone in distress.

The most recent night mission they performed was the rescue of a 17-year-old youth who was trapped for nine hours on a cliff 600 ft. above the Kern River in the Kern Canyon.

Less fruitful was their search for another 17-year-old youth who was lost in a snow storm on Nov. 27, 1960, while climbing Telescope Peak in Death Valley. The group recovered the body the following spring.

Other rescues have included pilots who have crashed and the recovery of the bodies of two mountain climbers lost some years ago on Boundary Peak on the California-Nevada State line.



USAF CLOSE AIR SUPPORT working group confers with Dr. Wm. B. McLean (seated, left), NOTS Technical Director, during visit to the Station this week. The Air Force group was briefed on many of NOTS' primary programs during four-day stay here.



CAPTAIN J. W. HOUGH, Commanding Officer of Naval Air Facility, greets arriving Flight Surgeons from the 11th Naval District. The group visited Michelson Lab and the SNORT track. They were also brought up to date on other current NOTS projects.

Use Robbers' Roost For Practice

An intrepid group of NOTS' employees have been performing yeoman service in blazing desert heat to sub-zero mountain temperatures in search and rescue of downed pilots, lost desert travelers, or stranded mountain climbers, since 1958.

The group is known as the China Lake Mountain Rescue Group and is composed of 19 men and one woman. Its members are commissioned as part of the Kern County Sheriff's Reserve and work with the Civil Air Patrol, sheriff's posses, and other law enforcement agencies.

It is headed by veteran mountaineer Dr. Carl Heller, a chemist with the Research Department. An ex-Marine, Heller has climbed every 12,000 to 14,000 foot peak in the Sierra Nevada range from Bridgeport south to Mt. Whitney.

In addition he has scaled various peaks in the Grand Tetons, the Cordillera Blanca in Peru, and Japan's Fujiyama while in the Marine Corps.

The group responds to calls from any responsible authority for rescue and search operations in the southeast Sierra Nevadas and the desert mountain ranges of central California and southwestern Nevada.

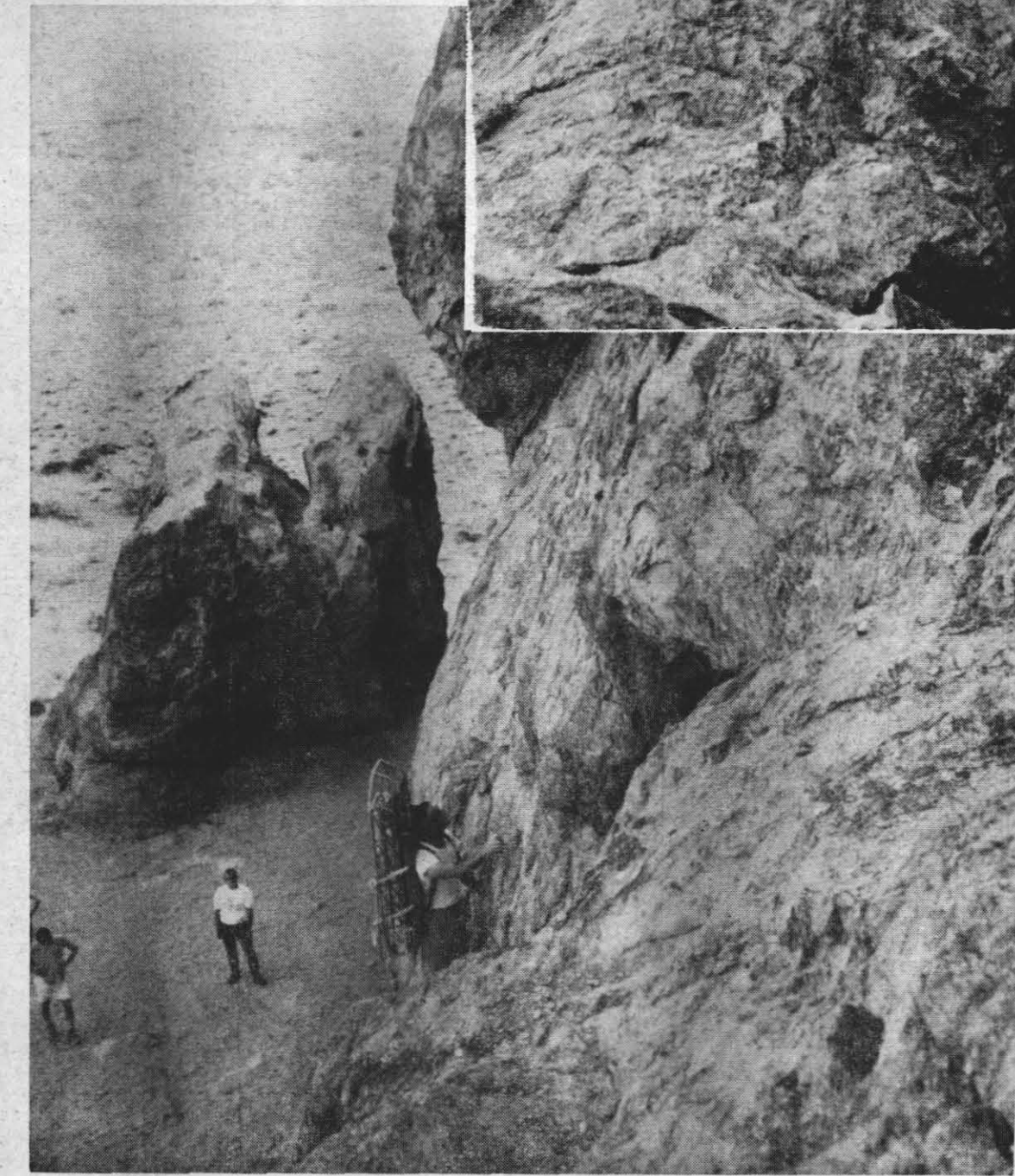
The group is composed of three units, a technical mountain and rock rescue team, a technical ski and snowshoe rescue team, and a rescue support team.



PERPENDICULAR WALL of rock and a troublesome overhang are tough obstacles, but Terry Wilcox goes right on up with the stretcher, scaling east face of Robbers' Roost.



AT THE SUMMIT, Wilcox gets set to release the stretcher from his back while Russ Huse gets rescue line set for descent with "victim."



FRED SCHEBERIES, with a newly built sectional stretcher strapped to his back, surveys the east face of the 450-foot high mound of rock before beginning ascent.



THE 'VICTIM,' Jonil Nicholson, secured in the stretcher, gives a smile of confidence to Terry Wilcox, John Ohl, Al Green and Russ Huse (backs to camera) as they prepare to take her down from summit.

SNOW RESCUE TEAM

Members of the snow rescue team in addition to Heller are John Ohl, a mechanical engineer with AOD; George Barnes, a physicist with the Weapons Planning Group; Ernst Bauer, a physicist with the Research Dept.; Jim Nichols, a physicist with the Test Dept.; Clint Spindler, a mechanical engineer with the Propulsion Development Dept.; and Ray Van Aken, a pilot, who is an aerospace engineer with the Weapons Development Dept.

Van Aken is a veteran mountain climber. He has scaled most of the prominent peaks in Europe, South America, Alaska, and the Sierra Nevadas.

ROCK AND MOUNTAIN TEAM MEMBERS

Qualified for rock and mountain rescue are Russ Huse, head of AOD's Documentation Branch; Richard Slates, a mechanical engineer with the Research Dept.; Joe McIntire, a physicist with AOD; Al Green, a physicist with the Research Dept.; Doug Huse, a visual information specialist with TID; and Darold Pieper, an Aero Science Laboratory employee.

SUPPORT TEAM MEMBERS

Support team members are Liz Anderson, a technical illustrator with AOD; Jay Witcher, a mechanical engineer with the Propulsion Development Dept.; Terry Wilcox, an airman with NAF; Fred Scheberies, who holds a private pilot's license, and is an aeronautical engineer with the Test Dept.; Dennis Burge and Frank Buffum, both physicists with the Research Dept.

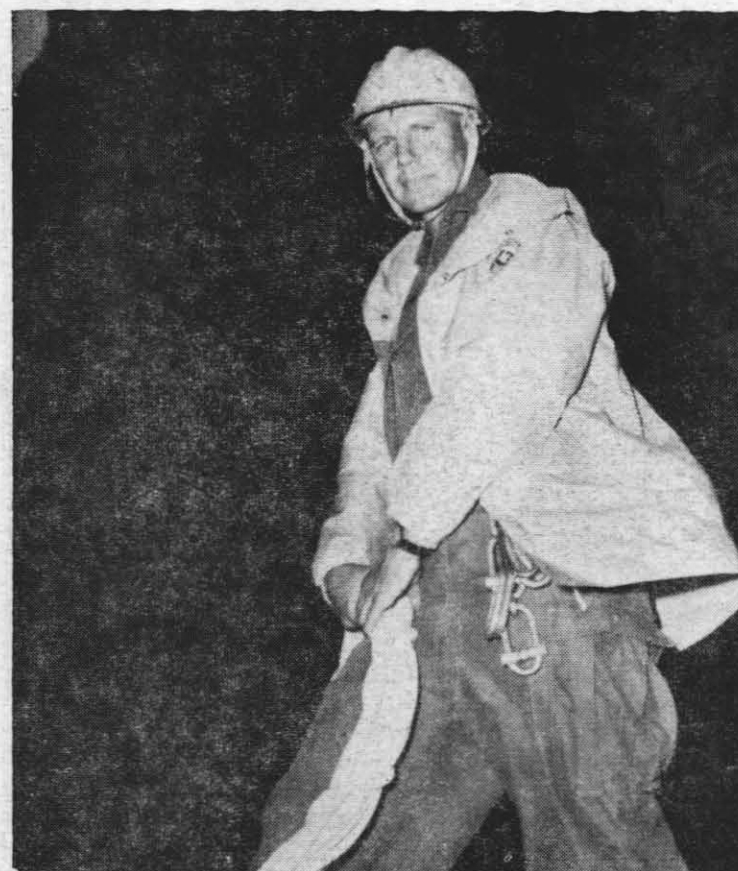
PRACTICE SESSIONS HELD AT ROBBERS' ROOST

Practice sessions in basic rock climbing and rescue techniques are held almost weekly at Robbers' Roost, a prominent rock out-

(Continued on Page 8)

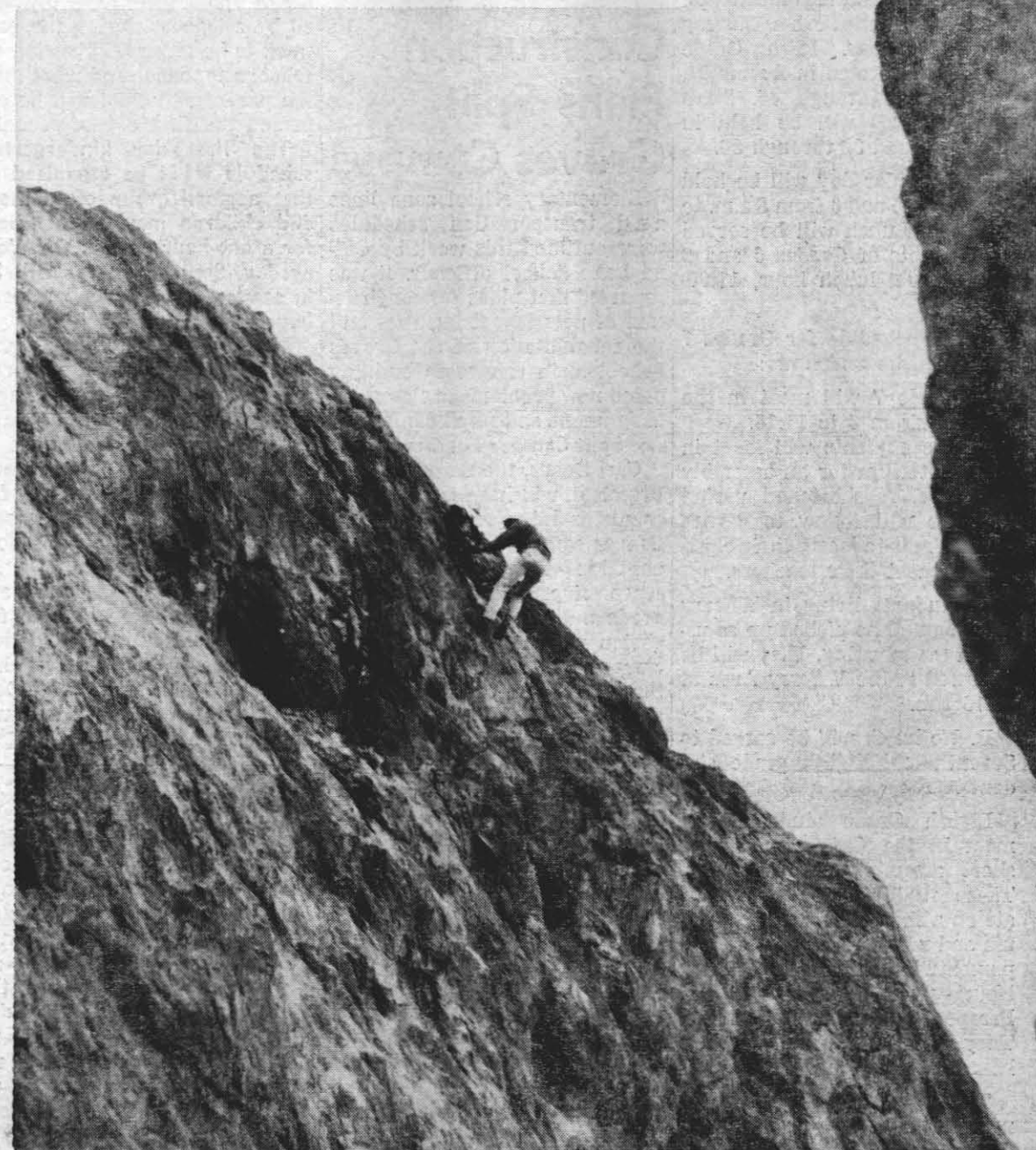


A CAMPFIRE provides a warm and comforting conclusion to the day of arduous work. The mountain rescue team members relax and discuss the entire rescue rehearsal.



VETERAN MOUNTAIN CLIMBER Carl Heller secures the rescue line after "victim" was safely lowered. A carabiner, which provides a smooth sliding surface for the rope, hangs from his belt.

China Lake's Mountain Rescue Group In Action



PRECIPITOUS descent down the rugged face of the Roost is captured by the camera as Wilcox carefully escorts the stretcher-borne "victim" along the rescue line.

The dramatic photos of this rescue rehearsal were taken by Navy Photographer Tom Presson, PH3.



TEAMWORK IS an absolute "must" in operations such as this. Here, Arnold Green (top) helps Terry Wilcox ease the stretcher—and its very brave occupant—over a rough spot during descent.