



CAP CADET INSPECTION—Capt. G. J. Anderson, NAF Commanding Officer, accompanied by Capt. R. A. Beveridge, VX-5 Commanding Officer; CWO Bill Hamilton, CAP, and LCDr. E. H. Gunther, NAF, inspect the ranks of China Lake Cadets prior to squadron review at Kelly Field last Friday. Highlight of the event was the presentation of a regimental American flag to CAP Squadron Commander Maj. F. L. Richards for the group by Dr. Arlo Mueller on behalf of Indian Wells Valley Lions Club.

Christmas Basket Project for Needy Conducted Locally

Chaplain James D. Hester has offered his office and his staff as a central clearing house for the community Christmas-basket program. There are needy families in the Valley who will be made happy at Christmas with these baskets. Coordinating the distribution of the baskets has been the biggest problem. Chaplain Hester is rendering a needed service to the area by providing the central-clearing arrangements for such a wide distribution. The whole effort is bound to insure a little happiness this Christmas for the families who need it. — There are many of these fine gifts available for deserving families. If you know of any family whom you think should receive a Christmas gift basket, then please notify Chaplain J. D. Hester at the Station Chapel, phone number 72247.

Women's Guild Will Hear Guest Speaker

Mrs. Henry M. Stephens, president of the Business and Professional Women's Club of Riverside, will be the featured speaker at the Christmas meeting of the Women's Guild of the NOTS Community Church. The meeting will be held on Tuesday, December 17, at 8 p.m. According to Mary Pennington, program chairman for the guild, Mrs. Stephens' talk will exemplify the extensive study on mission work in Japan that the members of the Guild have been conducting the past three months. "Women in Japan—How They Work and Live" is the title of Mrs. Stephens' talk. She is well qualified to discuss the Japan of today inasmuch as she and her husband, Major Henry M. Stephens, just recently returned from Japan where Major Stephens, U. S. Air Force, was stationed on special assignment. While in Japan, they were located 20 miles from Tokyo, and they traveled extensively throughout the country visiting church schools, missions, Japanese National schools, etc. They did a great deal of research and made an effort to get to know the people and their problems. The points in Mrs. Stephens' speech will be illustrated with slides that they took while on their tour of duty. In addition to the featured speaker, there will be special Christmas music and a brief business meeting during which the officers for the coming year will be elected. Following the program, special Christmas refreshments will be served by Jan Hoagland's Hospitality Committee. In accordance with the belief that Christmas is a time for giving rather than receiving, members are asked to bring gifts of canned food to the meeting. This year these gifts will be taken to needy families in the newly organized Community Presbyterian churches in Lone Pine and Bishop.

Katherine L. Felton Joins Vieweg Staff

Katherine L. Felton has recently joined the faculty of Vieweg School where she will teach the fourth grade, Principal Grant Pinney said this week.



Kay Felton Kay has lived on the Station for the last five years; she has been quite active here in community affairs, serving on PTA committees and the Family Service Board of Directors. By accepting the job of full time teacher, she becomes a member of her husband's profession. Richard Felton is the Director of Education for the Station, and in that capacity, he is in charge of the UCLA extension classes. Kay went to grade school and high school in the Los Angeles area. Later, she went to Simpson College in Indianola, Iowa, where she graduated. She has done graduate work at both Fresno State and San Diego State Colleges. While here on the Station, she has taken extension courses in education. Kay and Dick have two children elementary school age. Jimmy, 10, is in the fourth grade at Richmond School, and Joyce, 8, is in the second grade at Groves School. For family fun, the Feltons enjoy camping and sailing.

Dr. Plain Speaks to High School Class On Scientific Work

Dr. Gilbert Plain, head of the Physics Division of Research Department at NOTS, discussed earth satellites with John Trent's physics class at Burroughs High School last week. Because of the high interest and concern over missile experimentation, and because of the scientific knowledge available at China Lake, Trent, other faculty members and school administrators feel it a necessity and privilege to invite speakers to encourage and explain mathematical and scientific work to students who are interested in studying in the fields. Dr. Plain pointed out in his talk that one of the greatest problems of launching an earth satellite is to turn the sphere so that it will make a circular orbit about the earth. He said that a sphere is used because it is easier to compute the drag on a round object and thereby compute the density of the atmosphere. If the sphere is not in a circular orbit, it will probably dip toward the earth, be influenced by gravity and thicker density, and thus make accurate computation impossible. Atomic fuels have great promise in long-range rocket launchings, Plain said, pointing out that radioactivity would offer a danger if atomic power were to be used for intercontinental travel. Trent and other science and mathematics teachers have been utilizing the services of NOTS scientific officials in the education of the students at Burroughs. The Scientific Research Society of America at NOTS is donating books and speakers to the school's science clubs. Several assemblies have been planned on scientific themes, and classroom discussions with specialists in the scientific fields are becoming popular with the students. Trent was a recipient of a scholarship to the mathematics institute at the University of Chicago last summer where he studied new developments in the field of mathematics. Leland J. Richardson is studying under the same program in Chicago this year and will return to Burroughs' mathematics department next year with further knowledge and developments in the scientific fields to pass on to the students.



TWENTY-YEAR PIN—William A. La Combe (right) is shown here receiving his twenty-year pin from Cdr. S. W. Mitchell (left), Head, Command Administration; also shown is La Combe's supervisor, Fire Chief A. C. Wright. La Combe has worked at NOTS for eight years as firefighter and driver-operator; the remaining part of his service was spent on active military duty.

Leadingman Rigger ID Card Deadline CS Exam Opens

A competitive promotion examination for Leadingman Rigger has been announced by the Detached Representative, Board of Examiners, 11th Naval District at China Lake. File card Form 5000AB and Form 57 must be postmarked not later than December 31, 1957. Applications will be accepted from employees of all Naval and Marine Corps activities in the Northern Sector of the 11th Naval District in California provided they are serving under a career or career-conditional appointment and meet the qualification standards. All applicants will be required to qualify in an appropriate written test, and must have had experience of two years of progressively responsible experience as a Rigger at Journeyman level. Written tests will be given at China Lake and at other Naval and Marine Corps activities. Application forms must clearly indicate the title and Announcement No. 12-54-93 (57) of examination for which application is made.

Job Opportunities

Clerk Stenographer, GS-4. This position is in the Administrative Division of Public Works Department. Interested persons must have two years of general office clerical experience, at least six months of which have included the taking and transcribing of dictation. Contact Ann Carter, Ext. 72218. Personnel Clerk (General) (Typing), GS-4. This position is in Public Works Department's Administrative Division, Personnel Branch. This requires two years clerical experience, one year of which must be in the Personnel field. Call Ann Carter, Ext. 72218.

TEMPERATURES table with columns for date, Max, and Min.

Book Booth Closes, But Not Its Services

The Book Booth which was maintained at the Bennington Plaza by the China Lake Branch of the American Association of University Women since October 21, was closed on December 7, according to Alice Dubin, chairman of the project. It is planned to operate the Book Booth again during the pre-Christmas season in 1958. Those who have ordered books but have not received them will be notified as soon as the books arrive. Although it is now too late to order books for Christmas giving, an order service will be maintained by the AAUW throughout the year. Anyone wishing to order books in the future may contact either Lorraine McClung, Maxine Howell or Alice Dubin.

Set for December 31

Military dependents are reminded that the deadline for applications for the Uniformed Services Identification and Privilege card, DD Form 1173, is December 31, 1957. In general, information and forms are available from the activity holding the service member's service record. The new DD Form 1173 is authorized for issue primarily to dependents of members of the Armed Forces on active duty or retired with pay, to eligible dependents who are survivors of deceased members of the Armed Forces or to agents acting on their behalf and to former members of the Naval Reserve receiving compensation in a civilian status under Title 10, U.S. Code, sections 1331-1337, and their dependents. This new card replaces the old Military Dependent's Identification card's DD Forms 719 and 720, and the Dependent's Identification card for Medical Care, NAVPers Form 1343, and all other identification or authorized cards now in use for this purpose. The DD Form 1173 may also be issued to certain other persons when, in the opinion of the cognizant commander, such action is either necessary or desirable.

Navy Tuition Aid Resumed

A recent BuPers Instruction has announced the resumption of the Navy's Tuition Aid Program. Tuition assistance granted will amount to 75 per cent of the tuition cost, not to exceed \$7.50 per semester hour of \$5 per quarter hour, for voluntary off duty courses taken at approved educational institutions. The Navy will not subsidize more than six semester hours in any semester. Fees to be granted under the provisions of BuPers Inst. 1560. 10A of 8 October 1957 include tuition charged by state schools to out of state residents and tuition charged by schools to students who are either residents or non-residents. No other fees or school costs will be paid for under this program. Only courses taken for credit (including extension credit) will be approved. If on the undergraduate level, they must contribute to qualifications for a first baccalaureate degree; if on the graduate level they must be in one or two of the following fields: mathematics, physical science, international relations, or management. In order to be eligible for the tuition assistance personnel must be on active duty. Officers must sign agreements to remain on active duty for two years after completion of a course and enlisted personnel must be career personnel, that is on second or subsequent enlistment. If personnel withdraw from the course they must repay the government for tuition paid in their behalf.

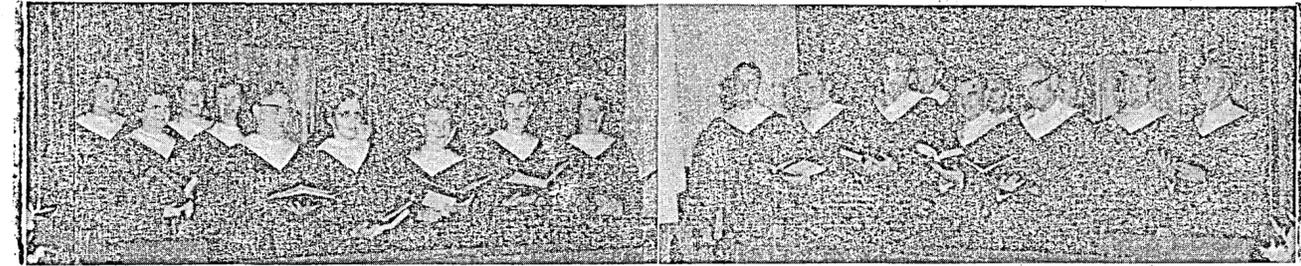
Group Insurance Policy Conversion Feature In Effect

An additional feature recently introduced in NOTS Group Health Insurance plan will permit conversion privilege on termination of employment by its members, it was announced by the China Lake Community Council this week. Through negotiations with Mutual of New York, the plan further provides for this conversion without necessity of any medical information and is extended to members up to the age of 70. Members planning termination of employment should contact the Insurance Office, in the Housing Office Building regarding the benefits of this conversion plan and application procedures.

When the Valley Philharmonia Association has its next program, sometime in January, we hope that the competition for people's interest won't be as great and that they have an even larger turnout. The first in a series of recorded concerts was held last Monday night in the Station Chapel. The Valley Philharmonia Association can be proud of their choice of selections and happy about the reception that they got from the two hundred and seventy-five interested listeners. The drive that motivated the Association's members to devote hundreds of hours of their free time was a philanthropic one; they are only interested in promoting the latent musical tastes of the community. They and their efforts deserve as much applause as the program received. After the show, the listeners were asked to fill out cards and register not only their responses but also their suggested improvements. Those who listed their choices in the kind of music that they prefer listed symphonies above any other from; the improvements that they would like to see made will, as far as possible, be incorporated in the next concert. The Association hopes to present an organ concert by a talented local musician early next year. All of Monday night's program was run from tapes; the first two selections, Sibelius' "Finlandia" and Von Suppe's "Poet and Peasant Overture," were taped recordings made from hi-fi discs. As the last sounds of Von Suppe bounced lightly against the Chapel walls, Rod McClung appeared and gave a brief explanation of what stereophonic means in music. In essence, he said that two microphones are used to pick up the different sounds on each side of the orchestra. When the tape is played, two speakers are placed on opposite sides of the room. Each speaker plays the music that its corresponding microphone picked up. The last two selections, Tchaikovsky's "Symphony No. 4" and Bizet's "Carmen Suite," were examples of stereo sound. All of the equipment is permanently installed in the Station Chapel. The system (speakers, amplifiers, and circuitry) were designed and built by volunteer workers in the Aviation Ordnance Department. The two, 2-foot bass speakers were constructed by the Public Works Department. The compression drives and high-frequency tweeters were brought by the NOTS Community Chapel for the organ console.



AFGE LODGE RECEIVES PLAQUE—Local AFGE Lodge 1781 receives a plaque bearing the emblem of the American Federation of Government Employees from Richard Dintaman, President of the sister AFGE Lodge 1406 at Edwards AFB. Participants (l. to r.) are: William Schoonover; John Winsett; C. H. Smith, local Vice-President; Maurey Coleman; Budd Gott, local President; Richard Dintaman; Verna Emery, local Secretary-Treasurer; Robert Mitchell; and Robert Biggers.



A program of Christmas Carols will be presented by the Community Church Choir in the All Faith Chapel at 8 o'clock Sunday evening.

Music Lovers Hear Beautiful Selections In First Recorded Stereophonic Concert

By Ken Capron Association has its next program, sometime in January, we hope that the competition for people's interest won't be as great and that they have an even larger turnout. The first in a series of recorded concerts was held last Monday night in the Station Chapel. The Valley Philharmonia Association can be proud of their choice of selections and happy about the reception that they got from the two hundred and seventy-five interested listeners. The drive that motivated the Association's members to devote hundreds of hours of their free time was a philanthropic one; they are only interested in promoting the latent musical tastes of the community. They and their efforts deserve as much applause as the program received. After the show, the listeners were asked to fill out cards and register not only their responses but also their suggested improvements. Those who listed their choices in the kind of music that they prefer listed symphonies above any other from; the improvements that they would like to see made will, as far as possible, be incorporated in the next concert. The Association hopes to present an organ concert by a talented local musician early next year. All of Monday night's program was run from tapes; the first two selections, Sibelius' "Finlandia" and Von Suppe's "Poet and Peasant Overture," were taped recordings made from hi-fi discs. As the last sounds of Von Suppe bounced lightly against the Chapel walls, Rod McClung appeared and gave a brief explanation of what stereophonic means in music. In essence, he said that two microphones are used to pick up the different sounds on each side of the orchestra. When the tape is played, two speakers are placed on opposite sides of the room. Each speaker plays the music that its corresponding microphone picked up. The last two selections, Tchaikovsky's "Symphony No. 4" and Bizet's "Carmen Suite," were examples of stereo sound. All of the equipment is permanently installed in the Station Chapel. The system (speakers, amplifiers, and circuitry) were designed and built by volunteer workers in the Aviation Ordnance Department. The two, 2-foot bass speakers were constructed by the Public Works Department. The compression drives and high-frequency tweeters were brought by the NOTS Community Chapel for the organ console.

Can't Confiscate Station's Game And Plant Life

This year, as in past years, the Station management would like to remind everyone that there are certain restrictions that are especially applicable to the holiday season. This Station, indeed every Navy Station, is considered by the Federal Government to be a game preserve. The ramifications of this consideration are that not only is the hunting of game for Christmas dinner tables forbidden on the many square miles of Station land, but also that the native vegetation is to be left as is where it is; Christmas trees should either be bought or foregone. The wild life whose natural home is in the upper plateaus of the desert need whatever shelter that they can get to survive the winter cold. Therefore, no one is allowed to cut any of the pine trees nor any of the shrubs that grow on the Station. As far as going off the Station to quietly cut a tree, there are California laws against that, too. There is a \$100 fine for picking or cutting wild plant life. But who the heck would want one? They look bad enough even in their natural surroundings. Let's face it; your Christmas tree a chance. Buy your Christmas tree from the Boy Scouts!

Old Chapel To Be Converted To Teenage Recreation Center

The establishment of a Teenage Recreation Center to be located in the old Chapel building at the corner of Blandy and Hussey was announced this week by Captain W. W. Hollister, Station Commander. Equipment has been ordered and contracts for necessary remodeling of the building are written with a tentative completion date of April 1, 1958. An Adult Advisory group has been appointed by Capt. Hollister to advise and assist the Teen Management Board to discharge its responsibilities. Members of the panel appointed to serve a one-year term are: Commander S. W. Mitchell, Head of Command Administration Department, Chairman; Captain G. J. Anderson, Commanding Officer of Naval Air Facility; Dennis Ward, Station Athletic Director (pending hire of a Recreation Director); Edward H. Fox, Joe Stone, Clare Hunter, and James Madden. The Teen Management Board will be composed of five members selected from the student body of Burroughs High School in the manner the Burroughs High School Student Council may prescribe, and four members appointed from teenage enlisted personnel by Enlisted Commands. The Teenage Center will fulfill a need for an appropriate recreational and social club for teenage Burroughs High School students, all single service personnel under 21 years of age, and other teenage residents of the Station. A social hall will occupy the main building of the old Chapel. The south lean-to of the building will be increased to the top step of the grades on a nation-wide basis. The move is primarily aimed at those professionals in the even-numbered grades that have been by-passed in some of the wage hikes of the last year or so. The increase is expected to be put into effect around the first of the year. The government's action means that about 48,000 physical scientists and engineers now on Uncle Sam's payroll will get anywhere from \$135 to \$1080 more per annum. Although the added cost will be something like \$25,500,000, the professionals already working for the government won't get it all; \$3,500,000 is for the 4,000 new employees to be hired in the next twelve months. The Civil Service Commission, the organization responsible for the move, announced it has authorized Federal agencies to raise their pay scales because of the inability of the government to meet the demand for the critically needed scientists and engineers at the present rate. (Continued on Page 2)



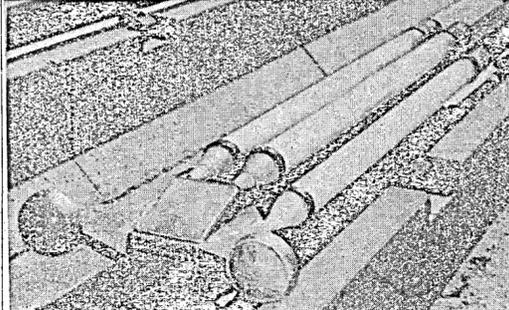
GOING HOME—Eugene H. Bahr, HN, and Lloyd A. Inzer, SN, utilizing the Enlisted Men's Pickup Station in obtaining rides home on holiday leave. The station is located immediately outside the Main Gate at NOTS to eliminate unauthorized hitchhiking by military personnel.

Social Security Law Revision Slated

Beginning January 1, 1958, the law provides that disability insurance benefits cannot be paid for any month earlier than the month of actual filing. Individuals who have been disabled for six months or more and have not filed their application for benefits should do so before the end of 1957 to insure against loss of benefits. A representative from the Bakersfield Social Security office will be at the Security Office, Main Gate, on Tuesday, December 17, from 8:30 a.m. until 2:30 p.m.

Old Records Bedeviled By New Sled

A new Station record and also a new world's record was set on the SNORT track recently when a LOKI-powered test vehicle screamed down the 4.1-mile span at a speed of 2,575.1 miles-per-hour, deeply scoring another mark for NOTS pre-eminence. The run, testing full-scale nose sections of the SIDEWINDER, was made on a single rail of the track. Both the sled, called "Diabolito," and its ancillary equipment were recovered in an undamaged condition after the test. The "Little Devil" reached its extreme velocity in 1.9 seconds after traveling only 3,050 feet from the firing point. The diminutive sled and the added pusher unit were powered by four LOKI rocket motors developed by Thiokol, each one producing 3,440 pounds of thrust. The previous supersonic track records for captive tests were 1,705 miles-per-hour on two rails and 2,180 miles-per-hour on one rail. The incredible speed of 2,575.1 miles-per-hour, more than three-and-a-half times the speed of sound, is believed to be a new record for any land-restrained vehicle.



DEVILISHLY FAST—"Diabolito" set a new sled record of 2,575 mph at SNORT recently. The full-scale nose sections of Sidewinder being tested look like small headlights at the fore part of the sled. The two units, of 4 rocket motors each, accelerated the sled to top speed in 1.9 sec.

ROCKETEER

Published Every Friday at the
UNITED STATES NAVAL ORDNANCE TEST STATION
 CAPTAIN W. W. HOLLISTER, UNITED STATES NAVY
 Commander

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Burroughs Music Students to Present Christmas Concert

A program of sacred and traditional Christmas music will be presented by Burroughs High School music department next Tuesday, December 17, at 8 p.m. in the school cafeteria.

Following the "Christmas in Music" concert, the choir and orchestra will present assemblies for the junior and senior high schools and then perform for the China Lake elementary schools.

Among the selections to be presented are French, German, Bohemian and Ancient Plain songs. The string orchestra, under Dean Skeel's direction, will play a group of well-known carols and the cappella choir, under the direction of George Carson, will sing the following: "To Us Is Born a Little Child," "As the Snowflakes Gently Fall," "Christ Was Born on Christmas Day," "Carol of the Shepherds," "Immortal Babe," "Waken, Little Shepherd," "The Stable Door" and "The Christmas Hymn."

The girls' choir, directed by Mr. Skeels, will present "O Come, O Come Emmanuel," "Angela, O Come Hear on High," "Lo, How a Rose E'er Blooming," Bach's "Great Fugue," O B. a. u. t. c. o. s. "Heavenly Light" and Lullaby on Christmas Eve.

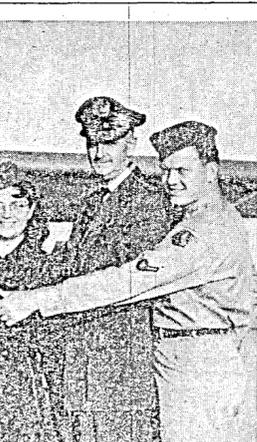
String Orchestra
 Genevieve Custer will accompany the choir at the piano. Members of the string orchestra are Kay Cornish, Paul Nepp and Rosalie Platzeck, first violin; Sybil Donaldson, Sandra Dyer, Patricia Sevrans and Sharon Steele, second violin; Karen Plain, viola and Cornelia Butler and Michael Wilkins, cello.

Members of the girls' choir are Billy Adams, Heather Batchelor, Patricia Horton, Judy Hill, Sharon Newkirk, Phyllis Quinmell, Judy Reid and Terry Stanfill, first sopranos; Sue Bosworth, Sandra Dyer, Joanne Evans, Janice Galyardt, Jeanne Ligertwood, Barbara Scarborough and Veryl Vick, second sopranos, and Sharon Christie, Alice Herman, Carol Knigge, Nancy Mussler, Marge Wade, Sally Walker and Tiona Willis, altos.

A Cappella Choir
 The a cappella choir includes Kay Cornish, Susie Frerkes, Sheila Gilpin, Pat Ingram, Gloria Jandke, Caroline Kiehl, Marietta Martinez, Linda Miller, Janet Richardson, Sharon Storey, Garie Ann Walker and Nicky Williams, sopranos; Pat Bliss, Genevieve Custer, Madeline Custer, Linda Gibbons, Justine Halliett, Linda Limuti, Janet Long, Marianne Martinez, Sharon Steele and Kay Wood, altos.

Tenors in the a cappella choir are Bobbette Deem, Linda Dial, Bonnie Drummond, William Jones, Don Rodgers and Barbara Walker. Basses are Norman Carr, Jerry Dozier, James Herman, Tom Hunter, Charles Jones, J. C. Jones, Terry Tomlinson, Jeffery Toga, Bill MacInnes, Robert Weston and Robert Weakley.

The concert is open to the public. The bomb bay of a modern heavy bomber has the capacity of two five-room houses.



CAP TROPHY WINNERS—Inyokern CAP Squadron, 82 winners in the CAP Inter-State Air Search and Rescue competition held at Bishop last week (l. to r.) are: Pvt. John Larson, Lt. Phil Norcom, Sgt. Gerry Miller, W/O A. K. (Slim) Winslow, and Pfc. Dan Lydon. Seven CAP Squadrons with 16 aircraft competed in the exercises.



ROTARIANS—Al Camp (left), President of the China Lake Rotary Club, hosts Frank Hornkohl of Bakersfield (center), District Governor of Rotary International during an official visit to the local club. Art Bissell, (right) secretary, attended the luncheon meeting.

Local Marines Get Promoted

Twenty-three Marines received certificates of advancement from Private to Private First Class last Friday, Dec. 6, during promotion ceremonies held on the parade ground at the Navy Station.

Lt. Col. H. V. Joslin, Commanding Officer of the Marine barracks made the presentations to the following men who are listed with their home town:

Leonard Anguiano, San Antonio, Tex.; Patrick Brazil, Jennings, Mo.; Robert Davis, Ridgecrest; David Dederer, Garibaldi, Ore.; Philip Delong, Duncan, Okla.; Morris Dixon, Potter Valley, Robert Eichem, Princeton, Ind.; Paul Garcia, Pharr, Tex.; Ivan Granko, Chicago, Ill.; Larry Griffin, Albuquerque, N.M.; Gerald Halter, Great Falls, Mont.; Max Hasz, Scott City, Kan.; Kenneth Hooper, Terre Haute, Ind.; Thomas Kepner, Indianapolis, Ind.; William McCarty, Columbus, Ohio; Gary Osborne, Marysville, Wash.; James Pilkinton, Meade, La.; William Pinn, Fremont, Neb.; Henry Pot, Seattle, Wash.; Bonnie Ray, Albuquerque, N.M.; Percy Rayburn, Kentwood, La.; C. J. Rogers, Oakdale.

Moonwatch Station Needs Local Help

Moonwatch, the world-wide amateur organization that is collecting data on the passage of artificial satellites around the earth, needs about 200 local volunteer watchers.

The China Lake group, under Carroll Evans (Code 3041), is setting up a watching station behind Michelson Laboratory near Building 1041. The Station will have places for 37 watchers at one time and will be ready for operation next Monday, December 16. It will be equipped with 8-power and 20-power telescopes. The information that the volunteer watchers collect will be sent to the Smithsonian Astrophysical Observatory at Cambridge, Massachusetts, the Moonwatch headquarters.

The requirements for volunteer watchers are easy ones: a willingness to man the station when called, usually at dawn or dusk, and reasonably good vision.

If 200 people volunteer, each can expect to be called once or twice a month—depending upon the number of satellites that are sighted.

For those who are interested in helping, a coupon is provided that should be filled out and mailed, or Carroll Evans can be contacted directly on phones 72849, 71543, or (home) 725643. Moonwatch officials will call you when a satellite is sighted.

To: Carroll Evans
 100 South Blandly
 China Lake, California

I would like to volunteer for Moonwatch

Name _____
 Address _____
 Phone _____ (office) _____ (home)

Any time Most of the time Occasionally
 Only in an emergency

Superintendent's Notes

By Dr. EARL MURRAY, Superintendent of China Lake Schools

The school building situation in this country is reaching a crisis. To understand fully the dilemma we face, it is necessary to know the facts behind it. Let us review them briefly before we look to solutions.

There are two simple reasons for the nation's critical need for new school buildings: the increasing population and the growing obsolescence of our present buildings. In 1910 our population was 132 million; in 1950 it was 151 million and it is now estimated to be 171 million. The 1950 enrollment in the public schools was 25,500,000; this year it is 33,436,000. A reduction of these data to per cents shows that during the last seven years our population has increased thirteen per cent, but that our public school population has increased thirty-one per cent—more than twice as rapidly.

Practically all of this growth is due to an increased birth rate. During this year alone, more than four million babies will be born—a total never before reached in this country, and a tapering off of this upward trend is not yet in sight.

Very few buildings were constructed in the decade following World War I. Fewer yet were constructed during the depression years of the 30's. None were built during the years of World War II. For 25 years, then, there was very little school construction.

Added to the construction stalemate, which caused double sessions to become common, was a lack of educational planning for a majority of buildings constructed prior to 1920. Since then, we have seen the great increase of school offerings and services brought about mainly by public demand. Many of these older buildings are totally unable to accommodate present programs and procedures. The cost of modernizing these structures is more,

By-laws for the teen organization, rules and regulations for the operation of the facility, and plans for opening social and recreational programs will be coordinated by the Teen Management Board and the Adult Advisory Panel, subject to the approval of the Special Services Officer and review by the Recreation Director.

400 electric motors, generators and other rotating electrical machines are required to operate the various systems of one heavy bomber.

DIVINE SERVICES

(New All Faith Chapel services effective Sunday, Nov. 3, 1957)

Christian Science: (Chapel Annex)
 Sunday School—9:30 a.m.
 Morning Service—11 a.m.
 Episcopal: (North end of chapel annex)
 Holy Communion—7:30 a.m.
 Sunday School—9:30 a.m.
 Morning Prayer—11 a.m.
 Protestant: (All Faith Chapel)
 Morning Worship—9:45 and 11 a.m.
 Sunday School—9:30 a.m., Groves and Richmond elementary schools.
 Roman Catholic: (All Faith Chapels)
 Holy Mass—7:30 a.m. and 4:45 p.m.
 Sunday
 6:30 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 Temple—Halsey Street.
 Services every second Monday and fourth Friday, 8 a.m.

NOTS ON THE AIR KRKS (1240)

NOTS NEWS 12 noon and 8 p.m.
 Monday through Friday

MUSICAL MEMORIES Tuesday, 8 p.m.

NOTS INTERVIEW Tuesday, 8:30 p.m.
 Bernard Smith, Head, Central Staff.

OBJECTIVE Thursday, 8:45 p.m.
 Sponsored by the American Chemical Society.

KRCK (1360)

NOTS NEWS 12:10 daily

NOTS INTERVIEW Sunday, 12:30 p.m.
 Madeline Canova, Head, Library Division, Technical Information Department.

Scouts Pining For Fifth Year

Local Troop 41 of the Boy Scouts of America, sponsored by the NOTS Community Church, is selling its annual batch of Christmas trees in the area between the Navy Exchange and the Station theater. They've been poking around the pines now for a week, and they'll be there until the 23rd of December. This is their fifth time in as many years to handle the main decoration of America's Christmas homes.

Although they are principally interested in raising money to support their activities during the coming year, the sale has the added advantage of giving the boys an opportunity to meet the public and to demonstrate their salesmanship and their ability to handle money and make change.

Each boy will serve twice as a salesman, and, during one of the transactions, the boy's father will assist him. Mistletoe will be presented as a gift with each tree that is sold. Just about everyone wants a Christmas tree, so why not give the Scouts some business.



By Bob Fortinberry

On Sunday, December 7, 1941, at 6 a.m. the Japanese attacked Pearl Harbor. There are a lot of men who remember that morning 16 years ago. And there are a lot of men we remember who still lie there under the water at Ford Island. Just a tip of the white hat to them; men who gave their all.

Saturday, December 7, 1957, 6 a.m., an emergency alert and a speeding car will always make another December 7th memorable to corpsmen at the Station hospital and to Thomas G. (Shorty) Womack, CS2, and his wife, Donna. It was a boy, 8 lbs., 6 ozs.

Another thing happened last Saturday but this was at Las Vegas. Seems one of the MAAs at Brks. one, Denver Pinkerton, FP2, took Miss Lucille Osemann over there and made her Mrs. Denver Pinkerton, FP2. They're swell people so a lot of luck to them.

A whole raft of people got out this week past. PFC Robert D. Johnson, PFC Paul R. Oliver, Cpl. Gary O. Ross, Robert J. Wilshire, ETS, Jay L. Lords, AN, Harry J. Miller, AD2, William A. Chilton, AE2, Joe W. Snow, AD3, Robert L. McKimney, AB3, George D. Parthmore, AB3, and Jackie C. Rofeller, AD2 all became civilian. Adios . . .

We started this column giving a note of appreciation to the sailors of yesterday; let's close by giving one to the sailors of today. Last weekend found a Marine's wife in San Diego with severe complications due to childbirth. Sgt. Richard D. Waugaman received emergency leave but had no way of getting there. Chief William Simpson, NAF JOOD, found out about this situation and spoke to the OOD, Ens. Arnold Schmidt, and within the hour a special hop was on the way. Doesn't sound like much, but suppose that was your wife . . . Just one word: Thanks, Chief.



RESEARCH DEPT. AWARDEES—Superior Performance and Group Achievement Awards are presented to Research Dept. employees. Shown in front row (l. to r.) are: Ella Kowalsky, \$200 Superior Performance; followed by \$300 Group Achievement awardees Ella Pierce, Billy Herron, William Tom, and William Eaton. Back row (l. to r.) recipients are: Reta Roquemore, \$200 Superior Performance and \$50 Beneficial Suggestion award; followed by additional Group Achievement awardees Lester Wolter; Don Laskey; Woodrow Chartier; and Arden Milam.

SHOWBOAT

Matinee
 Sat. and Sun — 1 p.m.
 Evening
 6 and 8 p.m. daily

TODAY DEC. 13
 "THE TALL STRANGER" (83 Min.)
 Joel McCrea, Virginia Mayo
 SHORTS: "Show Business Bugs" (7 Min.)
 "Born to Fight" (15 Min.)

SAT. DEC. 14
 "DESTINATION MOON" (90 Min.)
 John Archer, Warner Anderson
 SHORTS: "Helpful Geni" (7 Min.)
 "Flying to Fish" (10 Min.)

MATINEE
 "THE LAST ROUNDUP" (78 Min.)
 Gene Autry
 SHORTS: "Ghost of Honor" (7 Min.)
 "Congo Bill" (Chapter No. 4) (17 Min.)

SUN.-MON. DEC. 15-16
 "GIRL MOST LIKELY" (99 Min.)
 John Powell, Cliff Robertson
 SHORTS: "Moose-Taken" (7 Min.)

TUES.-WED. DEC. 17-18
 "MAN IN THE SHADOW" (80 Min.)
 Jeff Chandler, Orson Welles
 SHORTS: "Lion Dancers" (9 Min.)
 "Fabulous Las Vegas" (17 Min.)

THURS.-FRI. DEC. 19-20
 "THE IRON FETTERCOAT" (94 Min.)
 Bob Hope, Katharine Hepburn
 SHORTS: "Tom and Jerry at Hollywood Bowl" (7 Min.)
 "Pip 'im Pop" (7 Min.)

Children's Xmas Party

A children's Christmas Party, sponsored by the Special Services Division, will be held at the Station Theatre on Saturday, December 21, at 1 p.m. All children 12 years of age and under are invited.

There will be gifts for all the children and Santa Claus will be there to talk to them. Bring or send the children for an afternoon of fun, carol singing, talking to Santa and watching cartoons.

Sport Shorts

This week's sports calendar has been an exceptionally active one with the oncoming of the basketball season. There have been three games in each league. The scores were, for the American League: NAF No. 2 over GMU No. 61 by a score of 59 to 43; VX-5 over P&E, with a score of 46 to 30; and MCG-MTU over MB-A, with a score of 35 to 26.

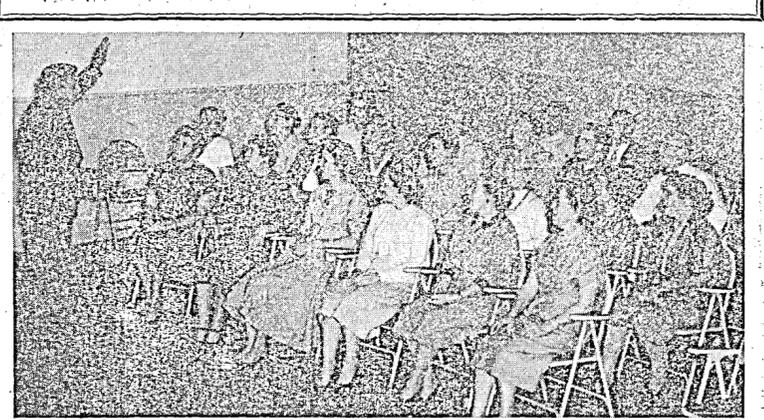
National League: GMU No. 25 over NAF No. 1, with a forfeiture, and VX-5 over NOTS by 30 points, 54 to 24.

Down in the alleys things have been pretty active; for instance, in the National League there are four teams tied for first place, GMU No. 25, Bowling Greens, Medics, and the VX-5 Lofters.

In the American League prior to November 26, MCGMTU team No. 2 was in first place with a 17 won and 10 lost record, and GMU No. 25 was a very close second with 16 wins and 11 losses.

High man for the American League is M. W. Hasy with a high 231 score.

News from Pasadena



CHRISTMAS CHORUS—Preparing for a full schedule of appearances on Friday, December 20, the Annex Christmas Chorus rehearses in the Building 7 conference room. Merton Welch is directing the effort this year of this seasoned group. Jim Jennison (back row, 2nd from left) is chairman of the chorus committee. The first performance at Foothill will be at 8:15 a.m. between the Supply Office and Building 3, with the next performance following at Building 9, then near Building 9. The chorus will sing next at Morris Dam before traveling to the Veterans' Hospital at Long Beach for their final performance.

Overseas Club Trip List Open

Would you like to go to the Brussels World Fair? Tour the Scandinavian countries? Or travel around through Europe "off the beaten paths?"

The NOTS Overseas Club makes it possible for NOTS employees to fulfill those dreams. A KLM Super G Constellation has been chartered by the Club for a European trip in 1958, leaving New York on May 29 and returning on June 26.

Cost of the charter is only \$285 per person from New York to Amsterdam and return to New York. Reservations are now being taken and persons interested in learning more about the trip or obtaining a copy of the itinerary should contact Nova Semeyn, Extension 35.

Make Date Now for Blood Bank Monday

Personnel are urged to give blood to the Annex blood bank, from which any Annex employee or his family may draw in time of need, according to Virginia Olson, Annex nurse.

Blood donations may be made on Monday, December 16, at the Elks Club, 400 West Colorado, Pasadena. Donation hours for NOTS employees are 2:30-7 p.m. Call Virginia Olson for an appointment.

Persons wishing to donate blood may make arrangements for supervisors to make leave through their supervisors.

Annex Promotions

OinC Office—Carney D. Brewer to administrative assistant, GS-9.
Engineering—Edward B. Thomas to associate supervisory inspector (ordnance electronic equipment) A, step 1.
UOD—Dale E. Willhite to ordnance engineer, GS-11; Edward J. Sterkle to leadingman machinist (experimental, step 1); Shelby F. Sullivan to electronic scientist, GS-9; David E. Faulkner to ordnance engineer, GS-11; and Wendell L. Alexander to quartermen mechanic (experimental machine and metal shops), step 1.

Former Employee Returns

Returning to NOTS Pasadena last week, following a year in Spain with the Air Force, is Bernice E. Atwater, property and supply clerk.

Can You Spare 1 Hour of Time?

Operation Santa Claus needs one hour of your time. During the next week, December 16-20, many helpers will be needed to prepare Christmas packages for distribution to needy families. There's clothing to be sorted, packages to be wrapped, and food to be boxed.

To schedule an hour of your time so that others may have a happier Christmas, call Isabel Owen, Extension 242.

Betty Butler, chairman of the Annex-sponsored project, reports that a total of \$540 was received from the recent fund drive—about \$300 less than received last year. So that the holiday season may be made a brighter one for as many families as possible, employees are urged to bring their donations prior to December 19.

Basketball Team Beats JPL 57-25

The NOTS Basketball Team, continuing their winning streak, racked up another win last week with a score of 57-25 against the Jet Propulsion Laboratory team.

The NOTS team in the first quarter scored 18-4, a lead they held all the way.

Scorers were: Tom Paine, 13; Tom McKinney, 11; Wayne Groesbeck, 10; Ray Brooks, 8; Jack Kindred, 6; Mike Combs, 4; John Martin and Tom Cloer, 2 each; and Jerry Gold, 1.

Their next game will be against Pasadena Police Department team.

Noon-Time Entertainment

The program on Wednesday, December 18, will be colored movies of Monte Carlo and Paris, presented by Chief Fred VanDenBrouck.



BASKETBALL TEAM—Members of the Annex basketball team (kneeling, l. to r.) are: Jerry Gold, Rod Roffer, Jack Kindred, Tom Cloer, and Ray Brooks. Standing: Norman McDonald (manager of the team), Don Robinson, Paul Warnshuis, Tom McKinney, Paul Moore, and Tom Paine. Absent were Don Totten, Wayne Groesbeck, John Martin, and Mike Combs.