

## United Fund Donations Near \$24,000 Total

Announcement that cash and pledges in the sum of \$23,757.12 had been received by the Indian Wells Valley United Fund drive was made this week by Robert C. Nelligan, treasurer of the Fund, thus reaching 85 per cent of the 1955 goal.

"Initial auditing indicates that about 55 per cent of the wage earners of the Valley have contributed through their neighborhood solicitors," said Nelligan. "Despite intensive efforts of house-to-house solicitors, however, there are apparently many instances where people have not been contacted, due to various reasons.

Some of these persons have mailed in generous donations during the past week, and Mrs. H. H. Tillitt, president of the United Fund Board, wishes to express her appreciation to them. "I hope that this is an indication of what others who have not been reached will do," she commented.

Persons wishing to contribute are urged to mail their contributions to Post Office Box 42, China Lake. If some wish to be contacted by a United Fund solicitor, a postal card to the foregoing address will bring a visit from a member of one of the campaign teams.

Donors are reminded that they may earmark their contributions for specific amounts to specific agencies. Too, they may make their payments in quarterly installments.

Next meeting of the United Fund Board is scheduled for January 16 at the Community Center starting at 4:45 p.m.

## Jolly Old Elf To Visit At Nursery School

Approximately 200 children are expected to attend the Christmas Party planned by Treva Collins, manager of the Station Nursery School. The party will be held from 3 to 5 p.m., Tuesday, Dec. 20, at the Community Center.

All youngsters who have attended the school are invited to attend the party and receive a Christmas stocking from Santa Claus. The jolly old elf will be the highlight of the party but there will be singing of carols, skits and other entertainment. Children should be accompanied by their parents.

### FIRST AMPHIBIOUS LANDING

The U.S. flag was first raised in a foreign country on March 2, 1776, when Marines of the U.S. Fleet flagship *Alfred* landed at New Providence in the Bahamas, a British possession. This was the first amphibious operation by American Marines.

## New Pasadena Annex Correspondent



ROCKETEER CORRESPONDENT Peg Gregory (left) chats about her new job with former correspondent Margary Ross. Peg is a former editor of the Naval Ammunition Depot paper at Hawthorne, Nevada, and was recently an employee of the Huntington Memorial Library at Pasadena. Peg will be responsible for the Pasadena page in the Rocketeer and special feature articles about the work at Pasadena Annex.

## Announce Cast Of '3-Act Play'

"You Can't Take It With You", a three-act play written by Moss Hart and George Kaufman, will be presented here by the China Lake Players in the early part of 1956. The play was an outstanding Broadway success and is hailed by drama critics as one of the finest in its field—comedy.

The cast for "You Can't Take It With You" has been announced and is as follows:

Penelope Sycamore, Connie Whitnack; Essie, Phyllis Townsend; Rheba, Eddie Mae Stowers; Paul Sycamore, Lee Stam; Mr. De Pinna, Art Pfeifer; Ed, James Rhodes; Donald, Tommy Shaw; Martin Vanderhof, Willard Higbie; Alice, Wanda Talley; Henderson, Earl Kirkbride; Tony Kirby, Dutch Dremann; Boris Kolenkov, Ralph Claassen; Gay Wellington, Charnelcie Wheat; Mr. Kirby, Lang Sykes; Mrs. Kirby, Aileen Fullerton; Olga, Merle O'Keefe.

There is no leading role in the play, each character having more or less an equal part. Additional details of the play will be carried in future issues of the Rocketeer.

## Ideas Worth Money In Awards Program

Ideas are worth money. The Beneficial Suggestion Program will pay you money for ideas that improve or better your working conditions, improve machinery or ideas that save time and money for the Government. Benny Sugg forms can be obtained from your division or department office—get one today and submit that idea now.

## Associate Head



Dr. Gilbert J. Plain, who has been Acting Head of the Physics Division, Research Department, for the past two years has recently been made Associate Department Head. The position has been vacant since January, 1955, when Dr. Hugh W. Hunter became Head of Central Staff. Dr. Plain has been a Naval Ordnance Test Station employee since February 1946.

Dr. Robert H. Olds was selected to replace Dr. Plain as Head of the Physics Division. Appointments to the Branch Head positions of the Division are to be made later. Temporary assignments are E. W. Price, Gas Dynamics Branch; Dr. Pierre St. Amand, Optics Branch; and Dr. R. S. Witte, Properties of Matter Branch. W. A. Allen is Head of the Mechanics Branch.

An additional change in the Department organization was the transfer of Dr. W. F. Koehler from the Physics Division to the Department Staff, November 14, 1955.

## Highway Patrol Warns Against Drunk Driving

SACRAMENTO—An all out enforcement effort against drunk driving during the Christmas and New Year holiday periods was announced today by the California Highway Patrol and the State Department of Alcohol Beverage Control.

A joint statement by Patrol Commissioner Bernard R. Caldwell and ABC Director Russell S. Munro indicated both departments will place strong emphasis on the elimination of drunk driving during the coming holiday season.

"Our combined efforts should curtail the incidence of drunk driving and help keep the traffic accident toll down," declared Munro. "Each department will be directing much of their activities toward the control of the drinking and driving situation."

Caldwell reported that 70 persons were killed in traffic accidents on California's streets and highways over the 1954 Christmas and New Year holidays.

"Although we are going to take positive enforcement action in an effort to successfully control our drunk driving problem, we need the help of every citizen," Commissioner Caldwell emphasized. "Only through combined efforts can this serious holiday situation be controlled."

## Holiday Hours For Exchange

Holiday hours for Navy Exchange operations on the Station have just been announced by Lt. J. C. Hatch, Navy Exchange officer, in order to maintain maximum service to patrons, operate as economically as possible and allow employees to participate in holiday activities.

All activities will close December 24 at 1 p.m., and will remain closed all Christmas day.

On December 26, the only activity to remain open will be the Station restaurant from 8 a.m. to 1 p.m.

All activities on December 27 and 28 will remain open except the retail store, which will be closed for annual inventory.

On December 31, all activities will be closed at 1 p.m. and remain closed on January 1.

January 2 will find all activities closed except the Station restaurant, which will be open from 8 a.m. to 1 p.m.

From then on, all activities will resume their normal hours.

Plant security can't work on a hit or miss basis. Security rules and regulations are made for your protection—don't violate them.

### THE WEATHER

Mostly clear over the weekend. Light variable winds with gusts to 18 knots in the afternoons. Maximum temperature 60, minimum 28.

# Rocketeer

VOL. XI, NO. 47

U.S. NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIF.

TEMPERATURES (Housing Area)	
	Max. Min.
Dec. 1	66 46
Dec. 2	56 37
Dec. 3	53 23
Dec. 4	49 27
Dec. 5	50 22
Dec. 6	64 29
Dec. 7	60 27

## Named to 'All League Teams'



OUTSTANDING ATHLETES on the Burroughs football team are pictured here with Head Coach Rod O'Meara. They were chosen by conference coaches and school officials as "All League Team" members. From left to right (first row) they are: Larry Jeffries, Phil Barra, Don Wright and Gary Koehler. In the back row (l. to r.) are: Bill Standard, Roger Short, Clay Carroll, and Jim Lloyd. See story for other details as to team placement.

## William Allen Gets Fellowship

William A. Allen, Head of the Mechanics Branch of the Research Department, has been awarded a NOTS Educational Fellowship at the University of California (Berkeley) for the Spring and Fall semesters of 1956. Such Fellowships are awarded pursuant to NOTS Instruction 12230.5 "to provide qualified Station employees with advanced training in professional and management fields as consistent with the needs and capabilities of the Station."

### To Enter Cal

Mr. Allen will enter the University on January 31, 1956, for advanced work in dynamics and fluid mechanics leading to the PhD in Engineering Science.

### Here Since 1950

Joining the professional staff of the Station in 1950, Mr. Allen has been Head of the Mechanics Branch since August, 1952. Under his leadership this group has earned the recognition of the scientific world for its work on the ballistics of hypervelocity projectiles. The instrumentation which made these studies possible was developed to its present perfection under the direct supervision of Mr. Allen.

Mr. and Mrs. Allen and their two children reside at 609-B Nimitz Avenue.

## Leaves NOTS



### LCdr. Boyd Hempen

LCdr. Boyd H. Hempen, Station security officer since October 1954, has received orders to report for duty as Commanding Officer of USS EDWARD H. ALLEN (DE-531). He came to NOTS in December 1953, as war plans officer.

LCdr. Hempen is a graduate of the University of Illinois and holds a Bachelor of Science degree. He entered naval service December 7, 1942, in the Naval Reserve Officer Training Program at Columbia University.

The lieutenant commander's active service included the Pacific campaigns from July 1943 through July 1944. He also served in the Atlantic area from August 1944 through October 1945. In March of 1945 he was ordered to inactive duty.

## Tenth Annual Football Letter Awards Banquet Held; 8 Get All League Honors

The Tenth Annual Father and Son Banquet and Letter Awards Banquet were combined this year for the Burroughs High School varsity and "B" football teams. Approximately 130 fathers, sons and guests were in attendance for the occasion last Wednesday night at Burroughs cafetorium. The announcement of letter awards for both teams were made by Coaches "Rod" O'Meara, "Wes" Anderson, "Matt" Weightman, and "Ernie" Vines.

The surprise announcement of the evening came when Coaches O'Meara and Anderson were presenting letter awards. It was the announcement of the names of Burroughs football players who were selected for "All League Teams" for outstanding play during the past season. Named to the 1st All League Team were Phil Barra, Roger Short, and Don Wright. Clay Carroll, Gary Koehler, Jim Lloyd and Bill Standard were selected as members of the 2nd All League Team. One Burroughs player, Larry Jeffries, was given Honorable Mention.

Toastmaster for the evening's

## NOTS Supervisors To Attend Caucus

Robert McClary, president of China Lake Local 28, Supervisors Association, National Defense, and William E. Davis, secretary, will attend a caucus of all West Coast locals of the Association in Long Beach tomorrow and Sunday.

Six resolutions will come up for discussion, according to McClary.

They will be the question of holiday with pay when the holiday falls on Saturday; reestablishment of the use of shop personnel supervisor rating, which has been eliminated in certain Bureau of Ordnance activities; opposition to placing civil service employees, who are now, under the retirement act, wholly under Social Security; opposition to any change in the status quo of IVa and IVb supervisors' membership in the National Association of Supervisors; favoring enactment of legislation by Congress that will provide for the payment of true overtime for all Federal employees now covered in the present Classification Act; and that the Association support legislation for a low cost voluntary hospitalization and medical insurance program for Civil Service employees, the government to pay at least half of the cost of coverage.

Receiving Reserve Athlete Awards for the "B" team were: Charles Brassell, Jerry Lloyd, Gary Miller, Ronald New, Jim Powers, Benny Sturgeon, John Wadell, and James Creech.

Receiving letters on the varsity squad were the following: Phil Barra, Jack Butler, Clay Carroll, Joel Christy, Dee Davis, William Davis, Charles Hackwith, Larry Jeffries, Gary Koehler, Jim Lloyd, Mike Ross, Bob Short, Roger Short, Vince Smith, Pete Spooner, Bill Standard, Jerry Van de Vender, and Don Wright.

Reserve Athlete Awards went to the following players out for the varsity team: Jim Adamson, France Adamson, Willie Carr, Mike Casad, Don Cobb, Dan Hanne, John Harris, John Hathwell, Nate Spooner, and Tommy Vick. Managers receiving letters for the varsity team were Dennis Clemente, Neil Coleman, and Arlon New.

"B" Team Awards

"B" team members receiving award letters were: Jamie Adams, Walter Barra, Douglas Chartier, Jim Downard, Craig Ellis, Larry Fletcher, Gordon La Combe, Rodgers Lane, Ray Mann, Gary Maxwell, Alric Miller, Richard Miller, Jim Norris, Terry Murray, Richard Myers, John Crozco, Bob Pinney, Douglas Schmidt, Gerald Senn, Tom Slopes, George Weir, Bob West, Ray Wilson, Dwight Young, Doug Brewer, and Gary Jacobs.

Receiving Reserve Athlete Awards for the "B" team were: Charles Brassell, Jerry Lloyd, Gary Miller, Ronald New, Jim Powers, Benny Sturgeon, John Wadell, and James Creech.

# Rocketeer

Published every Friday at the

UNITED STATES NAVAL ORDNANCE TEST STATION  
CAPTAIN F. L. ASHWORTH, UNITED STATES NAVY  
Commander

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## 'Jake' and the Boys



MEET "JAKE" and the Navy divers at Morris Dam. Pictured here (l. to r.) are: L. McCullough, GMC; L. Rodrigues, BMC; N. Fileccia, HMI; D. McCafferty, CHBOSN; R. Stevens, TMC; R. Fenton, GMC; and R. Morris, GMC. "Jake," the dummy diver, is used by the Pasadena diving branch personnel for instructional purposes and is a frequent visitor to Los Angeles area schools and civic clubs; he and the divers explain Navy diving operations and demonstrate equipment used.

## Rabies Vaccination Urged for Dogs

Owners of dogs are reminded that new dog tags will not be issued for dogs which have not been vaccinated against rabies since last January 15.

Vaccination may be accomplished at the Station kennels by Dr. Perry Stone, Station veterinarian during his office hours Monday through Friday from 10 a.m. to noon, and 4 to 6 p.m., and on Saturdays from 10 a.m. to noon. The fee is \$2.

Deadline for getting dogs vaccinated has been announced as January 31.

## No New Year Issue

There will not be a New Year edition of the Rocketeer due to the large number of employees who will be on annual leave during the Christmas-New Year week. The Christmas issue of the Rocketeer will be printed as usual and will be distributed on Friday, Dec. 23.

## Chemical Engineers To Hear Dickinson

Dr. B. N. Dickinson, Technical Director of the Chemical Process Company, Redwood City, California, will be the speaker at the next meeting of the Mojave Desert Section, American Institute of Chemical Engineers next Tuesday evening.

Dr. Dickinson's general subject will consist of a discussion of the use of ion exchange resins for isolating, concentrating, and fractionating heavy metals. He will include application of ion exchange to the separation of tungsten from Searles Lake brine. Dr. Dickinson has been on ion exchange with the Chemical Process Company since the last war. He also has been occupied in several geophysical explorations of gold and oil properties in Columbia, South America, the Los Angeles Basin, and Bakersfield. Dinner will be served at 6:30, followed by the meeting at 8:00. Reservations for the dinner may be made with Ken Bischel, Phone 9-253, or William Gordon, Phone 9-323.



SUPPLY AND FISCAL DEPARTMENT has originated a "Mug of the Month Club." A. H. Miller (left) is the first winner and is shown here receiving the award trophy and a check for \$300, a maximum Beneficial Suggestion award. Supply and Fiscal Officer Capt. R. L. Myers looks on while Capt. F. L. Ashworth makes the presentation.

## Beneficial Suggestion Program Boosted in Supply and Fiscal

The Beneficial Suggestion Panel of the Supply and Fiscal Department has boosted its Beneficial Suggestion Program greatly by originating a "Mug of the Month Club." Its pur-

pose is to stimulate interest in the Beneficial Suggestion Program and to offer participants greater recognition.

### The Trophy

The trophy (known as Mug of the Month) is a rotating award to be retained by the winner for one month. Along with the trophy goes a certificate that is retained by the awardee as permanent evidence of the award and of course there also is the monetary award for the suggestion.

### Eligibility Rules

Any contributor to the Beneficial Suggestion Program may win the trophy and certificate. The award is made on the basis of: monetary savings; safety; morale factors; number of adopted suggestions during the month and other qualifying factors.

## 2 New Recon Cameras Save Navy \$1.5 Million

Washington (AFPS) — By salvaging a horde of old photographic parts, the Navy has saved about \$1,500,000 in the development of two new types of costly reconnaissance cameras.

### Known as K-20, K-25

Known as the K-20 and K-25 cameras, they were rebuilt from equipment previously regarded as obsolete. The Navy said they are especially suited for surface and aerial photography because of their long focal length and a lens adaptable to distances and lighting conditions.

### Ship and Shore Units

Ship and shore units, including Task Force 43, now en route to the Antarctic for Operation Deepfreeze, have received 480 of the cameras.

## Safety First

Fire Department officials at China Lake this week gave a series of reminders to Station residents that will serve as helpful guides in having a fire-safe Christmas.

Suggestions listed by Station fire fighters pertain to care of the Christmas tree, lighting of the tree, as well as general safety factors. They are as follows:

### The Tree

Cut a growing tree or try to buy one that hasn't dried out from prolonged storage. (When too dry, tree branches are brittle and shed needles easily.)

Stand the tree in water outdoors until you're ready to use it indoors. Bring the tree indoors just before Christmas and take it out as soon afterwards as possible.

The larger the tree the greater the hazard, so don't get one any larger than you need. Just before setting up the tree, saw off the trunk at an angle at least one inch above the original cut.

Place the freshly cut tree trunk in water and keep the level of the water above the cut the entire time the tree is indoors. Support the tree well. Don't put it near sources of heat, or where, standing or falling it could block the way out of the room and out of the house in case of fire.

### Lighting

Do not use candles on the tree or nearby where there is any chance for any open flame to contact the tree or combustibles piled beneath the tree.

Use only electric lighting sets that bear the UL (Underwriter's Laboratories) label. Check lighting sets each year before using for frayed wires, loose connections and broken sockets.

Be sure the fuse on the electrical circuit you use is not over 15 amperes. If any extensive holiday wiring is planned, call a competent electrician; don't try to do it yourself unless you are so qualified. Don't plug too many cords into one outlet. Make certain that all tree lighting is turned off before retiring or leaving the house.

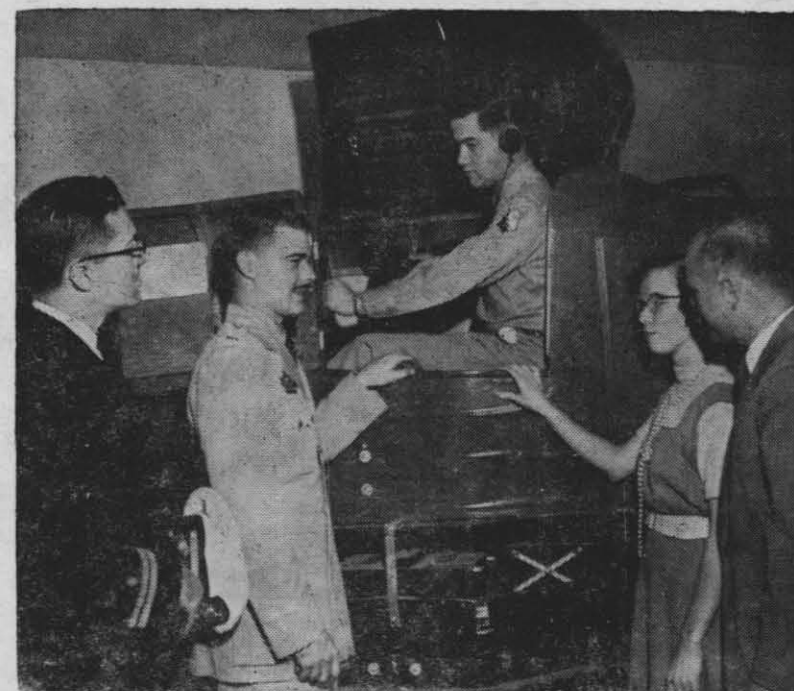
### In General

Don't allow smoking near the tree amidst decorations or piles of wrappings; have plenty of safe ashtrays around and use them.

Keep matches, lighters and candles away from tiny hands. Have buckets of water, or even your garden hose connected to a faucet, within reach of the tree. But remember, in case of fire, call the fire department at once—7-1333.

The Telephone Company Business Office will be closed between the hours of 12:30 and 1:30 until further notice due to temporary personnel shortage.

## CAP Celebrates 14th Anniversary



OPEN HOUSE is held by Squadron 82 of the NOTS Civil Air Patrol. Shown here during ceremonies held at Inyokern Air Field are: Lt. W. A. Wagner, USN, Medical Corps; Lt. A. V. Jensen, CAP member; Lt. Kent Dudley, CAP member (in Link Trainer); R. H. Dudley; and Leta Allen. The Link Trainer is used by the CAP for orientation purposes in familiarizing cadets with the conditions of instrument flights.

## Carols Sung at Christmastime Come Deep from Man's Heart

With the soft glow of lighted tapers forming a background, the Christmas story will once again be told in scripture and in song at the fourth traditional Candlelight Carol Service to be given Dec. 18 by the combined choirs of the NOTS Community Church, under the direction of Mrs. Elizabeth Heflin. The Chapel Choir, Young People's Choir, and Carol Choir, of about 85 voices, will participate. Mrs. Catherine Marcus will be the organist.

The program is divided into four parts, including the annunciation to Mary, the birth of Christ, the angels appearing to the shepherds, and the visit of the wise men. Portions of the accounts in Matthew and Luke will be read at intervals by the Rev. John L. Reid Jr. and Chaplain James L. Carter, with some less familiar and many of the more widely-known carols being sung.

Members of the Chapel Choir are as follows:

**Sopranos**—Barbara Auld, Ruth Bowles, Yorna Charlton, Speight Draper, Therese Ennis, Mary Elizabeth Fish, Emma Jane Graves, Ferne Hughart, Bette Jacks, Billie Melton, Betty Ordahl, Gertrude Pinney, Donna Rinehart, and Patricia Stone.

**Altos**—Martha Bankston, Ethel Carter, Janet Daniel, Ann Dunn, Georgia Fisher, Elinor Gould, DeLores Hardy, Beth Jeffers, Nancy Newell, Frances Sims, Dorothy Viellenave, and Joan Weston.

**Tenors**—Lynn Barker, Arthur Bissell, Glen Brown, Charles D'Ooge, Ray Geisey, Douglas Ordahl, and Ralph Stell.

**Basses**—Larry Armour, Marvin Backman, Charles Devalon, Eldon Dunn, Ronald Hise, David Nelson, Kenneth Rogers, Robert Rupert, James Sims, and Frank Wentink.

The service, approximately one hour in length, will begin promptly at 7:30 p.m. on December 18th at the Station Chapel. The public is cordially invited to attend.

## Support Urged for Christmas Seal Sale

One hundred and thirty cases of tuberculosis have been reported in Kern County since January according to Mrs. Paul Buchanan, local Christmas Seal Sale Chairman.

Mrs. Buchanan explained that each person with active tuberculosis infects an average of five others unless found early and placed under medical care.

"Christmas Seals help stop the spread of TB by making information about the disease available to everyone and by taking chest x-rays which reveal the disease before symptoms occur," Mrs. Buchanan stated.

Mrs. Buchanan urges everyone in China Lake to get behind the Christmas Seal Sale and "keep the Mobile X-ray Unit rolling by answering their Christmas Seal letter."

## Job Opportunities

Ordnance or General Engineer, GS-5 through 11, Test Department. Call Ext. 71514.

Ordnance Technician, GS-7, Test Department. Call Ext. 71514.

Electrical Engineer, GS-11, Test Department, Project Engineering Division. Duties of a project engineer are concerned with testing guided missiles, launchers, aircraft components, and rockets by means of high speed track facilities. Work cuts across engineering and physical science lines. Position may be filled either by a physicist, aeronautical engineer or ordnance engineer. Call Ext. 71514.

Editor, Publications, GS-7, the Rocketeer. This job is that of Assistant Editor of the Rocketeer; the work entails writing, editing, rewriting, make-up, layout, photography, proof-reading and other journalistic work factors. Applicants must have had previous writing and editing experience. Call Exts. 71354, 72082 or 71655.

Fiscal Accountant, GS-9, Supply and Fiscal Department. Call Ext. 72218.

Ordnance or General Engineer, GS-11, Office of Experimental Officer. Prefer mechanical or aeronautical engineering background with Navy service experience. Call Ext. 72723.

Illustrators, GS-5, 6 and 7, publications branch of TID. Work involves illustrations for use in such fields as technical reports, handbooks, brochures, instruction manuals, training aids, display material, animation and special affects for documentary films. Call Ext. 71393.

Clerk-Typist, GS-3. Job is part time and involves 20 to 30 hours per week which may be scheduled on a part-time day but must include working from 2:30 to 4:30 p.m. Former Civil Service employee preferred. Call Ext. 71393.

Library Assistant, GS-2 or 3, Station Library. Grade level is dependent on level of experience and vacancies existing. Written test will be required. Job will involve some evening and week-end work. Call Ext. 71393.

## December Program To Be Film Shorts

Short subjects feature the December program of the Children's Film Society, to be shown in the Station theater tomorrow morning from 10 to 11:20 a.m. Included are a film on camera effects entitled "Camera Magic", "Three Little Bruins in the Woods", "Christmas Carols", a story entitled "Christmas Rhapsody", and three Bugs Bunny cartoons.

Parents are admitted free and are urged to attend these showings with their children.

# 'High School Choir' To Present Special Christmas Concert

A concert program of special Christmas music will be presented to the school and the public during the week of December 12-16, by the Burroughs High School Choir under the direction of George A. Carson.

Featuring nine musical selections and a reading of the Christmas story, the program will be given for the public at 8 p.m. Thursday, Dec. 15, at the Burroughs cafeteria.

The program will include the following selections of sacred Christmas music: "Break Forth of Beauteous Heavenly Light," J. S. Bach; "Adoramus Te," Palestrina; "Waken Little Shepherd," Niles; "Christmas Hymn" arranged by Junget; "As It Fell Upon a Night," Davis; "The Stable Door," Gibbs; "In That Lovely Far-Off City," Niles; "Sing Noel," Snyder; and "Now Let Every Tongue Adore Thee," Bach.

# Employment Policy Given In Booklet

The President's Committee on Government Employment Policy, which was created by the President last January to combat discrimination in Federal employment, has just issued a pamphlet entitled "Some Questions and Answers on the Non-Discrimination Policy of the Federal Government."

This six-page leaflet is available by writing to Committee headquarters, Room 308, Civil Service Commission Building, 8th and F Streets NW, Washington, D.C.

Included among topics in the leaflet are how an agency may determine if there was discrimination in a particular action, why there is a special procedure for handling complaints of discrimination, and what top administrators may do to carry out this policy of non-discrimination.

# Civil Service Opens 'Librarian Exams'

Civil Service examinations are now open for Library Assistants, GS-1 through 5 and Nurses, GS-5, 7 and 8. These examinations will be open until further notice according to the Director, 12th Civil Service Region in San Francisco.

The examination for Library Assistants is a written examination; no written test will be given for nurses.

The register established from these examinations will be used in filling positions at NOTS and other Federal activities within the 12th Civil Service Region. NOTS employees and local residents who take the examinations should receive an eligible rating, should advise the Personnel Department.

For information call Ext. 71393.

# Misguided Missiles

## Your Vaccine for Life

The whole nation hails the new polio vaccine and its modest discoverer, Doctor Salk. We rejoice at what appears to be another great victory over disease. The public clamors for this new preventive and millions of parents hope to have their children immunized.

We have another great killer, which destroys several times as many children as polio . . . and thousands of adults in addition. We have a vaccine for this great killer but the public does not demand it. It is an effective one, which is not even slightly painful.

It's cost? A standard dose of vaccine is only a few hours time, spent in an interesting way. What is this killer? YOU, and traffic accidents, and the vaccine is driver education.

We drivers have become so familiar with the family car, and remember only its leisure. We have forgotten that it is the most deadly weapon ever put in the hands of the public. It is a two-ton projectile, capable of speeds over 100 miles an hour. Its design lends itself to battering power. Its frame is constructed of rigidly braced steel beams. The engine in its nose, usually of cast steel, is its warhead.

A thin sheet of metal is streamlined around it, similar to the construction of a rocket. The bumper is placed in front to protect its streamlining, is about shin height . . . just about right to break the legs of an adult, even at slow speeds. Its two-tons are supported on rubber-tired wheels with a crushing weight of 1,000 pounds each. Modern designs which reduce the center of gravity also reduces the clearance so that in most pedestrian accidents when the wheels do not pass over the victim's body, he is crushed by the front axle or dragged along the pavement by a projecting part of the body.

This, then, is the machine which in 1956 will kill 36,000 persons, injure another 1 1/4 million and cause over four billion dollars in damage. No single weapon designed for war has ever wreaked such destruction, yet this deadly weapon will be placed in the hands of irresponsible youngsters, drunks, and untrained and unskilled operators.

Every man, woman, and child in the nation is going to face this terrible weapon in the oncoming year. In this war against traffic deaths, it is difficult to tell how those 36,000 are going to die. We do know that about 40% of them, about 14,400 are going to kill themselves. They're going to ram into poles, fire hydrants, bridges, other cars . . . almost anything along

# El Burro Staff



STAFF MEMBERS of the 1955-56 Burroughs High School yearbook, the El Burro, study copy for this year's production. From the left, seated, they are: Jim Adamson, Ervin Porter, Pat Rickhoff, Margaret Waldron, Linda Westfall, Linda Jacobson, Dorrance Christian, Leta Allen, Bob Piney, Connie Van Hagen, Ellen Wittrack and Nancy Hunter. Standing behind at left is Suzanne Hough, business manager, at right, Nancy Newell, editor. Not pictured are Pat Jones, photography editor, and Leanne Jacobson, art editor.

the highway.

The rest of us, 12,240 are going to be killed in any of the hundred ways in which accidents occur. Some of us will be burned to death in the flaming wreckage of our smashed cars . . . Some of us will be decapitated when our heads slam through the windshield. We are going to die of fractured skulls, broken backs, punctured lungs, some are going to bleed to death quietly, all alone on a dark highway some night. We know that about 4% who die will be less than 4 years old. It's rather a horrible thing to coldly predict that 1,440 babies are going to be slaughtered, but that's what is going to happen.

Some of them are going to be killed by a few morons, too stupefied by alcohol to know what they are doing . . . or care. On the other hand, 22% of the casualties of this war, or about 7,920 are going to be over 65 years old. We're going to slaughter them because they are going to be too slow to get out of the way of our gasoline juggernauts. It's a pity, but it's a fact.

# Travel Films Offered At Center on Monday

Three British travel films will be shown next Monday evening at the Community Center by the China Lake Natural Science club starting at 8 o'clock. The public is invited.

Included will be "White Continent," a record of the joint British-Norwegian voyage to Antarctica; "Scottish Highlands," an award-winning travelog; and "World Garden," showing the famous Kew Botanical Garden in London.

The films are in color and sound and were issued by the British Information Service, according to Don Moore, secretary of the club.

# Glancing Back

## One Year Ago

New Type Appointment System For Civil Service, Career-conditional appointments effective January 23; Defense Secretary Favors Pay Raise For Armed Forces, Increase will average from three to five percent; Wednesday Designated Safe-Driving Day, Traffic accident holiday is goal; Signal Strength on Channel Two Given Big Boost, Installation of new TV amplifying equipment now complete.

## Five Years Ago

Yuletide Decoration Contest Announced, Home decoration contest will include Ridgecrest and Inyokern; Postal Workers Prepare for Big Christmas Rush, Local residents urged to get mail in early; 107-Mile Height Attained By Navy Viking Rocket, Sets new record for American-built single stage missiles.

## Ten Years Ago

Admiral Freidell Honors Captain Sykes, Navy Cross presented for extraordinary heroism; Inyo County Lauds NOTS Rescue Crew, Grateful for prompt assistance in rescuing motorist stranded after heavy October rains; NOTS Residents Relate Jap Prison Experiences, Vicki and Graham Westmorland recall past four years near Manila.



# Professional Turnover Rate Not Excessive

The Employment-Management Council met last week to discuss a number of problems presented to it. In response to a question about the rate of turnover among professional employees, a report has been prepared showing that for the first eleven months of 1955 the rate is 16.9 percent.

This percentage is about the same as the national average and somewhat less than the figure for southern California. The rate for 1953 was 27 percent, and in 1954 it was 41.8 percent, reflecting the large shift to China Lake.

All figures take into account all professional separations. In 1955, for example, sixteen WAE consultants who had worked less than twenty hours during the previous six months were dropped from the rolls. If these separations had not been included, the figure to date would have been only 11 per cent.

# News from Pasadena



ANNEX TEAM which took fifth place in the 11th Naval District Pistol Competition Tournament at Camp Matthews, San Diego, in September, received medals recently, presented by LCdr. L. J. Brunson. Members of the team shown here with LCdr. Brunson are, in the usual order, Domingo Sanchez, Woodrow Upshaw, Sgt. Harold Lakes, and Anthony Stec.

# Christmas Dance Next Friday Night



FLORENCE PINCUS, who is in charge of ticket sales, presents two tickets to Captain W. T. Groner for the dance to be held Friday, December 16, at the Pasadena Elks Club. With two weeks to go, more than a hundred and fifty tickets had been sold for this holiday event.

# Tom Mico Elected 'I-LFC Secretary'

Tom Mico, NOTS Pasadena member of the Inter-Laboratory Committee on Facilities, was elected secretary for the coming year at the meeting of the committee held here last Friday.

D. B. Wright, of the Naval Civil Engineering Research and Evaluation Laboratory at Port Hueneme, who served as secretary this year, was elected chairman, and J. N. Shellabarger of the Navy Electronics Laboratory at San Diego, was re-elected vice chairman.

The next meeting of the committee will be held at Foothill on Friday, January 6.

A security regulation is only as strong as the man who keeps it or as weak as the person who breaks it.

# Sub Commander To Lecture Here Thursday, Dec. 15

Secret clearance will be required for attendance at the technical lecture to be given in the Building 7 Conference Room at 1:30 p.m. next Thursday, December 15.

"Submarines and Submarine Countermeasures" will be the subject of LCdr. William R. Boose, USN, commanding officer of USS Razorback, Commander Boose, who has had more than ten years' experience as a submarine officer, will present personal and official comments on submarine operations and the use of countermeasures.

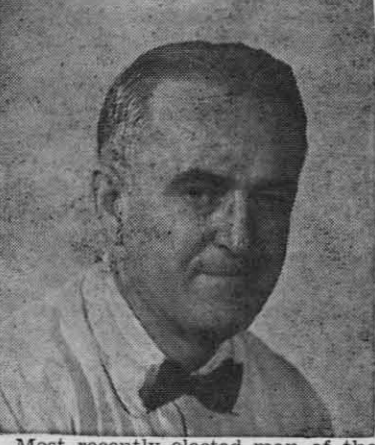
The Navy has found that pilots pinned in underwater wreckage can breathe for a half-hour with standard oxygen equipment.

# Do Your Christmas Giving Early

It will take only a half hour of your time on Monday, December 12, to make your contribution to the blood bank. The bloodmobile unit will be at the Elks Club, 400 W. Colorado, on that date between the hours of 3 p.m. and 7 p.m.

Call Virginia Olson at the dispensary to schedule an appointment.

# Man of the Month



Most recently elected man of the month, Ray Ravenelle, experimental machinist, came to the Annex in July 1948. He moved with the rocket project from Caltech and recalls that there were only about a dozen pieces of equipment at Foothill at that time.

Since then he has worked at China Lake for more than a year, two years at Morris Dam, and two years at Thompson Lab before returning to Foothill.

# United Fund Final Figure Is Announced

Annex employees have given \$5,382.50 in the United Fund drive. Contributions were received from 91 percent of the employees in this year's drive. The total collected exceeds last year's by several hundred dollars.

Hal Yost, chairman, Ed Jones, and John Southwell, the men who organized the operation, are exceedingly well pleased with its success, which depended, they believe, on the efficient work of the following lieutenants who solicited and collected funds in their areas:

- P129, Anna Haynes.
- P191, CHBOSN D. J. McCafferty, LCdr. L. J. Brunson, Eva Young, Doreen Reddick, Sgt. Fred Van Den Brouck, Jack Harp, GMI.
- P2502, Lesellie Hildreth, Helen McReynolds, Lurlene Kemp, Catalina Caves, Joseph Galante, Florence Williamson, William Morgan, Jeanne Gorman.

- P653, Bill Hawkins, Ed Wulzen, Mike Heath, Blanche Reust.
- P659, Betty Butler.

- P709, Nell Nerreter, Walter Yount, Clyde McHugh, Ralph Ferguson, Dominick Calvano.

- P7502, Matilda Pollock.
- P801, Jo Ann Gorz, Sally Tompkins.

- P802, George Jackson, Robert Austed, Marjorie Johnston, Gary Gordon, Harry Paulson, Michael Santeramo.

- P804, Patricia Connor, Julius Stegman, Clarence Ramstedt, Lathrop Mittenthal.

- P807, Moe Rosen, Sam Elhai, John Watkins, Gerry Mosteller.

- P808, Virginia Cortese, Dale Willhite, Alice Anderson, Frank Bertholet, Paul Warnshuis, Tom Corse, Alfred Fey, Fred Lux, Gerald Nelson, Ernest Oeland, William Miller, Howard Smith, Clark Albin, Lewis Anderson.

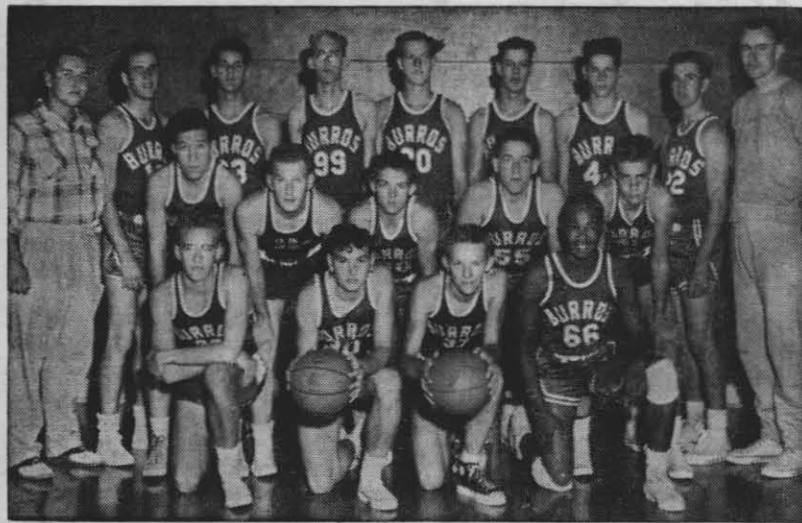
- P809, Joaquin Vergara, Neona Ward, William Roney, Marie Bingham, Arnold Voge, William Maas, Ivan Carlson, Nadine Robinson, Oria Alley, Julia Kinard.

# James H. Jennison Shows NOTS Film At CIT Meeting

James H. Jennison, head of the product engineering division, Underwater Ordnance Department, was the speaker at yesterday's meeting of the Caltech student chapter of the American Society of Civil Engineers.

Mr. Jennison, in connection with his talk, showed two films of special interest to civil engineers. The first, "Rocket Car," is concerned with the operation of the B-4 track, forerunner of SNORT. The second film pictures in detail the construction of SNORT.

### Burroughs High Basketball Squad



BASKETBALL SEASON OPENS tomorrow night for this group. Pictured here (first row l. to r.) are: John Booty, Charles Hackwith, Alan Sourson, and Willie Carr. In the middle row (l. to r.) are: Phil Barry, Orville Millhollin, Bob Points, Gary Koehler, and Gary Anderson. In the back row (l. to r.) are: Don Wright, Jim Lloyd, Roger Short, Ned Pierce, Dee Davis, Bob Childs, Larry Jeffries and Coach Bill Moore. The first opposition the team will meet is tomorrow night at Tehachapi, a non-league game. Approximately 18 games make up the varsity schedule with 14 of these being conference competition.

### '55-56 Schedule For Basketball

The Burroughs High School basketball team playing schedule for 1955-56 has been announced by Coach Bill Moore who says it is a "rough one". Coach Moore says the team is shaping up well and he believes the boys will be ready for the opener at Tehachapi tomorrow night.

The schedule is as follows:  
 Dec. 10 ABC Tehachapi ..... 6 p.m.  
 Dec. 16 ABC Tehachapi ..... 6 p.m.

LEAGUE GAMES	
Jan. 6	*ABC Trona ..... 6 p.m.
Jan. 7	ABC Vic. Valley ..... 6 p.m.
Jan. 13	ABC Desert ..... 6 p.m.
Jan. 14	*AC Owen Valley ..... 5 p.m.
Jan. 14	*BC Mojave ..... 6 p.m.
Jan. 20	ABC Bartow ..... 6 p.m.
Jan. 21	*ABC Bishop ..... 6 p.m.
Jan. 27	ABC Lone Pine ..... 6 p.m.
Feb. 3	ABC Trona ..... 6 p.m.
Feb. 4	*ABC Vic. Valley ..... 6 p.m.
Feb. 11	AC Independence ..... 7 p.m.
Feb. 10	*ABC Desert ..... 6 p.m.
Feb. 11	BC Mojave ..... 7 p.m.
Feb. 17	*ABC Barstow ..... 6 p.m.
Feb. 18	ABC Bishop ..... 6 p.m.
Feb. 24	*ABC Lone Pine ..... 6 p.m.

\* Denotes Home Games

### Badminton Schedules Have Been Changed

Burroughs High School home basketball games will necessitate cancelling weekly badminton practice sessions that were scheduled on the following Friday nights: Jan. 6; Feb. 10, 17 and 24. Regular badminton play will be held on all other Friday nights from 7 to 9 p.m. at the Station gym.

### Intra-Mural League Rivalry Gets Hotter

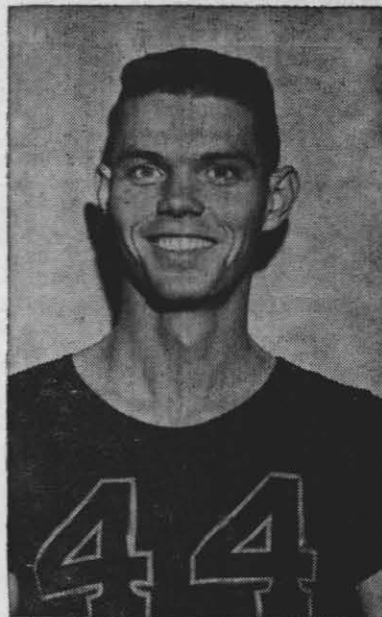
The NOTS Intra-Mural Basketball League is now in its fifth week of play and the competition is getting hotter and faster. The Marine Barracks still leads the conference with five wins and no losses, however the NAF Airedales and the Navy Bluejackets are close behind; both have won four games.

The league standings are as follows (as of press time):

TEAM	WON	LOST
Marine Barracks	5	0
NAF Airedales	4	1
Bluejackets	4	2
Terriers	3	2
Test	1	4
Public Works	1	4
Apprentices	0	5

The following games will be played next week: Bluejackets vs. Public Works and Terriers vs. Test on Dec. 13; Airedales vs. Apprentices and Marine Barracks vs. Bluejackets on Dec. 14. The latter game is predicted by Athletic Officer Lt. Alex as the game of the week. Game times are 6:15 and 8 p.m.

### Rockets Sportraits



JACK W. ISRAEL, AM3, hails from Springfield, Missouri and is playing his third year on the Rockets basketball team. Jack plays one of the forward positions for the locals and is 6'5" tall; he weighs 170 pounds. His past basketball playing experience includes: 1 year of high school varsity at Springfield; 1 year at Missouri University; and other military play. Coach Alex says Jack can be counted on for about 20 points per game as an average, and that he plays a bang-up game all the way.

- John M. Harn, Engineering.  
 Jesse A. Thomas, Public Works (2 awards—\$15 each).  
 Leo W. Blowers, Public Works.  
 Paul Bangle, Public Works.  
 Jack L. Herbstreit, Public Works.  
 \$10 Awards  
 Kathryn F. Holmes, Supply and Fiscal.  
 Milton H. Egley, Engineering.  
 Clark S. Smith, Public Works.  
 C. L. Keene Jr., Public Works.  
 Colin F. Ryan, Public Works.  
 Superior Accomplishment Awards  
 Alvin L. See, Propellants and Explosives, \$200.  
 Edwin L. Moon, Propellants and Explosives, \$200.  
 Jean C. Cote, Propellants and Explosives, \$200.  
 Outstanding Performance Ratings  
 Aaron Kane, Engineering.  
 Donald L. Hildebrand, Research.  
 Loreen M. Phillips, Engineering.

### 'Traffic Count' Is Successful

The Station traffic count that was conducted Wednesday, Nov. 30 between the hours of 7 a.m. and 6 p.m. has been reported as very successful according to Community Manager R. C. O'Reilly. The purpose of the survey was to collect basic data for the Station's "Master Plan" of the community area.

Conducting the traffic count were personnel from the Marine Barracks, Navy Barracks, SAM Battalion, Naval Air Facility, and the Safety Division. The high school civics class, under the direction of Norman Young, also participated.

### Announce NOTS Benny Sugg Winners And Other Outstanding Performances

During November, 25 NOTS employees were recipients of Beneficial Suggestion checks, three were recipients of Outstanding Performance Ratings, and three received Superior Accomplishment Awards. Their names and amount of award follows:

- \$60 Award  
 T. W. Boyd and A. C. Wright (\$30 each), Public Works.  
 \$50 Awards  
 Harry F. Smith, Public Works.  
 Edwin F. Hogue, Public Works.  
 \$35 Award  
 Joseph M. Bryan, Public Works.  
 \$25 Awards  
 Alan Jerome Kaufman, Public Works.  
 Jacob Bent, Engineering.  
 William T. Schmid, Public Works.  
 W. A. Saul, Public Works.  
 Carl R. Grimm, Public Works.  
 Alf Hoel, Public Works.  
 John W. Sturgess, Public Works.  
 \$20 Awards  
 James F. Bettis, Public Works.  
 George F. O'Connor, Public Works.  
 Earl W. Smiley, Public Works.

### Rockets To Play One Home Game Before Xmas

The NOTS Rockets basketball team will play only one more game before the Christmas holiday season. It will be against 29 Palms and will be played in the Station Gym at 8 p.m., Thursday, Dec. 15. Overall season record for the Rockets is two games won and one lost in the Mojave Desert Intra-Service League.

## These People Do Something About It

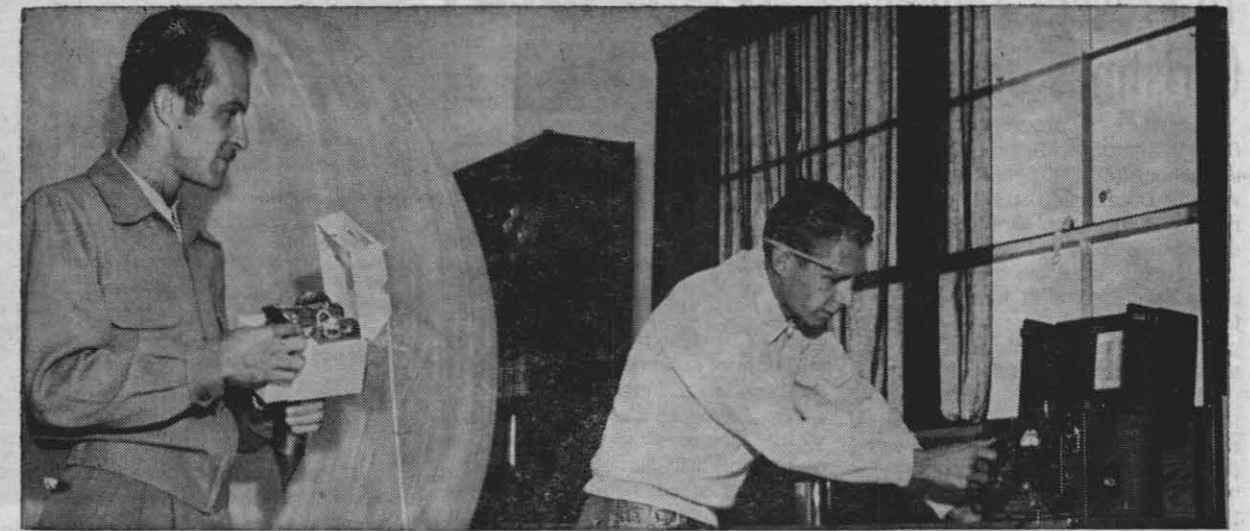
### 'Weather Studies,' Other Vital Work Job of Small Group

By H. E. Dremann

Accuracy . . . consistent accuracy . . . in forecasting and recording the weather, in all its aspects, is vitally important to naval ordnance research. Aboard this station a compact group provides this service—the Atmospheric Studies Branch, Instrument Operations Division, Test Department.

1946 saw the establishment, as part of the Experimental Operations Department, of a meteorological unit. The mission of this unit was to design, develop, and operate meteorological instruments. Meteorological problems which might have importance in the interest of national defense and forecasting services were not included then, but requests soon began to flow in for specific forecasts in relation to range tests. The need for compilation and evaluation of surface and aloft climatological data also became apparent. These needs formed the foundation of the present branch.

Demonstrating a great versatility in their field, this group not only provides field observation of climatological and meteorological conditions, weather forecasting service, but conducts research of weather problems. And this is not all, development of theoretical methods of forecasting including longer period outlooks for range operation plan-



TESTING Rawinsonde transmitter prior to release for upper-air sounding are Paul H. Miller (left) and James L. Oakes. The instrument, during ascension, transmits climatological data to a special receiver.

ning are also included as part of the job. The list is not finished yet. This staff also designs specialized meteorological equipment for special tests and experiments. All of the above is handled by only 11 men and women.

Duties such as these require a competent staff, well trained in modern methods. The Branch is composed of two sections: Measurements and Evaluation; and Developments.

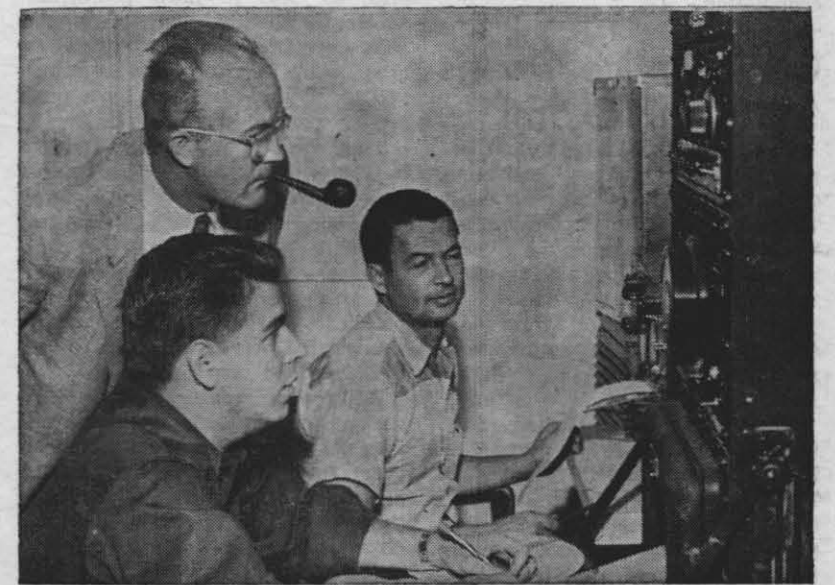
Measurement section is primarily concerned with the operation of meteorological instrumentation on the ranges or other technical programs requiring this service. Aside from this the section handles the gathering of daily weather records and the reduction of atmospheric data gained through observation. The section is available for consultation on range meteorological instrumentation. Acting head of this section is Roscoe H. Brady, a former USAAF man. Brady holds a B.S. degree in Mathematics from the University of Omaha. He entered civil service at NOTS in 1946.

The designing and developing of atmospheric instrumentation is the lot of the Evaluation and Development section. Of equal importance is their other main job of weather forecasting. Simultaneously they are conducting studies of the effects of atmospheric conditions on ordnance and other military problems. Royal C. Gould is the acting head of this section. Having seen service with the Navy during WWII. Mr. Gould came to NOTS in 1946.

Head of the branch is Quentin Dalton, a native of Virginia, with more than 15 years of experience in the science of weather prediction. Mr. Dalton enlisted in the US Navy in 1940, and received his early training in weather work with the Navy. Being an aviation enthusiast, Dalton has put his knowledge to good use. He holds an instructor's rating in meteorology, plus a flight instructor's rating with the CAA. While still in the Navy he came here in 1944. In 1946 he was discharged from the Navy and entered Civil Service. He has headed the branch since February of 1955.



ANALYZING SYNOPTIC WEATHER MAPS are Isabelle Vercy, Roderick Knutsen and Donald Farnham (right).



COMPUTING Rawinsonde data from ascension (l. to r.) are: Richard Evert (seated), Royal Gould, and Roscoe Brady.



BRANCH HEAD Quentin Dalton dictates letter to Jennie Esau.