

## Military Sponsors Radio Ham Contest

The Navy, Army and Air Force are co-sponsoring a program for the participation of amateur radio operators in celebrating Armed Forces Day, May 19th. Local amateurs are planning to participate in the Navy-wide celebration by transmitting and receiving messages over the nation, according to Orson Mitchell, chairman pro-tem of the newly formed NOTS Amateur Radio Club.

### Code Wave Receiving

A code wave receiving competition will be part of the national program and will feature a message from the Office of Defense in Washington, D.C. All amateur operators are eligible to participate, and certificates of merit will be issued to each amateur sending and receiving perfect copy. Transmissions will be at the rate of 25 words per minute.

Navy Department radio stations transmitting the Secretary of Defense's message will be NSS in Washington, D.C., and NPG in San Francisco.

### Five Minute CQ

Each transmission will commence with a five minute CQ call. It will not be necessary for participants to copy more than one station, and no extra credit will be given for doing so, according to the Chief of Naval Operations. Transcriptions should be submitted "as received". Messages should be mailed to Armed Forces Day Contest, Room BE1000, The Pentagon, Washington 25, D.C. Time, frequency, and call letters of the station copied should be indicated.

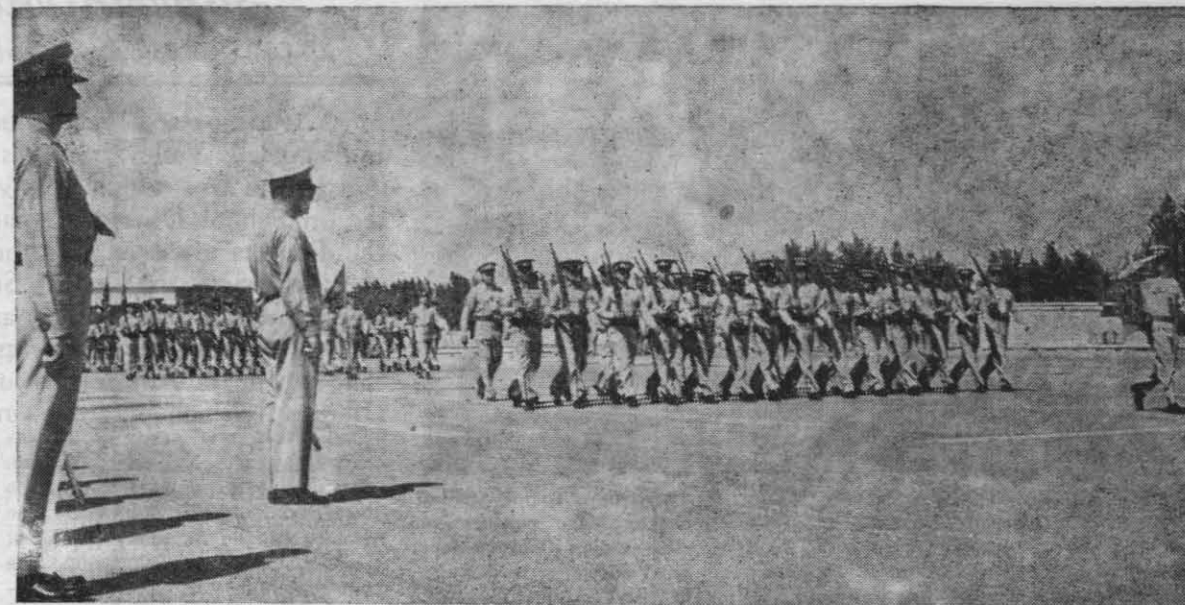
Further information about this contest can be obtained by calling Lt. (jg) Michael Bedwell, communications officer.

## China Lake Firemen Praised by CNO Burke

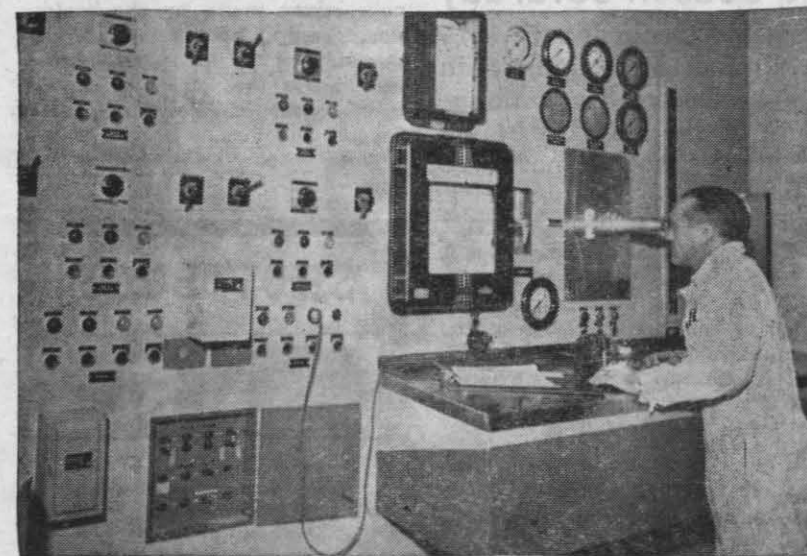
One hundred and sixty five naval shore establishments participated in the 1955 Fire Prevention Week Campaign, but only 31 were named to receive "Certificates of Merit" for their outstanding accomplishments in this worthy educational project. Of the 31 naval units recognized, only two were from the 11th Naval District — NOTS, China Lake, and Naval Hospital, Corona.

As a result of their excellent fire protection programs, NOTS and the Naval Hospital at Corona came in for a pat on the back from the Chief of Naval Operations Adm. Arleigh Burke who said, "To all personnel who participated in this important program I extend a hearty well done."

## Marines Say 'Farewell' to China Lake



PASSING IN REVIEW before Commanding Officer of Troops, Lt. Col. Norman Pozinsky, First Terrier SAM Battalion bids farewell to the Station in true military fashion prior to their moving to Twenty-Nine Palms in May. This scene shows the battalion in action at the ceremony which took place in the Bank of America parking lot last Friday afternoon. The unit was assigned to the Station in January, 1950.



TYPICAL OF FACILITIES to be seen in the NOTS film "Extrusion of Rocket Propellant Grains" is this Control Room for an extrusion press at the China Lake Pilot Plant. NOTS movie goes may see this film next Sunday and Monday at the Station theatre.

## NOTS Presents-

A new NOTS documentary motion picture describing the extrusion of rocket propellant grains at the China Lake Pilot Plant will be shown on Sunday and Monday as a part of the regular bill at the Station theatre. Further Station films will be shown at the rate of one per week. These film reports are produced by the documentary film production branch, Presentations Division, Technical Information Department, headed by veteran movie-maker Everett B. Baker, whose headquarters are located at the Pasadena Annex. The China Lake Section of the Branch is supervised by Richard H. Clark Jr., and the Pasadena Section is headed by Royford George.

### Waiting Groups

Approximately fifty members of the Aviation Committee, San Bernardino Chamber of Commerce will tour the Station this afternoon. Their tour will include visits to the danger areas, Michelson Laboratory, and the community area.

On Sunday, twenty-five Naval Reserve Ordnance Officers will arrive to commence an intensive fourteen-day training course, which will include lectures on major Station technical programs and visits to principal NOTS facilities at China Lake and Pasadena.

For further information on these items contact Presentations Division, Technical Information Department, Code 752.

## AOD Personnel Receive Praise

Employees of "Charlie Range" were given high praise last week in a letter received by Captain F. L. Ashworth. The communication was from D. W. Davis, Commanding Officer, Pacific Fleet Air Force, Fighter Squadron 113, San Francisco.

The letter of appreciation read as follows:

"It is with sincere pride and gratitude that I wish to highly commend all hands concerned with the support and training received by this command during our deployment to China Lake from February 19 to 24, 1956.

"Mr. Duane Mack and his excellent crew at "Charlie Range" are to be highly commended for their fine spirit and cooperation in the best interests of our pilots' training. The help given by the operations department support personnel was excellent in all respects. This squadron is looking forward to its next China Lake deployment."

## CNO Burke Asks Backing for 'NRS'

Adm. Arleigh Burke, chief of naval operations, has asked navy and marine corps personnel and friends of the service to give enthusiastic backing to the Navy Relief Society drive, May 4 to June 6.

The NRS is the Navy's own relief organization, which provides personnel and their families with needed financial assistance, loans and counseling. During 1955, the society granted \$498,259 and made loans of \$3,662,431.

### THE WEATHER

Partly cloudy to cloudy skies. Visibility good. Winds south to southwest 20 to 30 knots with gusts to 40 knots. Temperature range maximum 80 to minimum 60.

# Rocketeer

### TEMPERATURES

(Housing Area)

Max. Min.

April 19 ..... 80 45

April 20 ..... 83 47

April 21 ..... 87 48

April 22 ..... 91 49

April 23 ..... 88 56

April 24 ..... 87 52

April 25 ..... 76 58

VOL. XII, NO. 17

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

APRIL 27, 1956

## AF Day Committee Shaping Final Plans

Final plans were shaped up by members of the NOTS Armed Forces Day Committee, headed by LCdr. Ralph Stell, this Wednesday at a meeting of the committee in the Community Center. LCdr. Stell reviewed all plans with each department and announced that he believed NOTS would have one of the greatest demonstrations ever for the public to witness on May 19-20.

Once a year at China Lake the gates are thrown open to John Q. Public and he gets the opportunity to see some of the real values of his tax dollar. NOTS this year has planned an extensive two-day observance of "POWER FOR PEACE."

This Station, the only one of its kind in America, will welcome the public and make every effort to let the public see as much of the intensive program carried out here as possible. Much of the Station's technical programs involve secret operations and, of course, this part of China Lake will not be displayed publicly.

LCdr. Stell distributed to all departments special invitations to be sent out over California to citizens who have indicated a special interest in China Lake and its activities. Each department will in turn send out these invitations that allow John Q. Public to attend the Armed Forces Day celebrations that are to take place here.

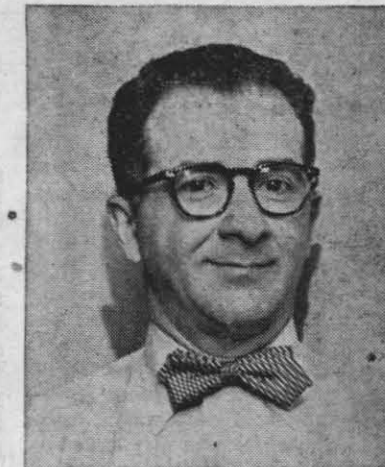
A special feature is included in this year's activities and that is the invitations being sent to California high schools allowing these student bodies to attend the event. High school newspaper editors will be invited to attend with their high school student bodies and have an opportunity to take pictures and write about their visitation. The ROCKETEER will be host to these editors.

Among other plans for the occasion are radio and television programs telling the NOTS story and inviting the public to attend Armed Forces Day here. A special appearance of NOTS personnel will be made on "Panorama Pacific," a television program in the mornings on channel two. Television appearances of NOTS personnel will be made over station KERO in Bakersfield and movie film of NOTS will be televised over many Southern California Stations.

Extensive publicity through newspapers and radio stations is planned, and here again NOTS people will

be interviewed. Every phase of publicity is being considered and extensive plans are being carried out by the committee. Posters telling of the program offered here are being prepared by the Technical Information Department; a special souvenir edition of the ROCKETEER will be available to all visitors and Station personnel telling of Armed Forces Day; the Community Council will hold its Fiesta, and many other events will take place on May 19-20.

### Joins Northrop



HAROLD SMULLEN, head, methods development branch, Engineering Department leaves today after 8 years at NOTS. He has accepted a position as research engineer for Northrop Aircraft Company in Hawthorne, California.

### Rear Admiral John Sides Named to Missile Post

Washington, (AFPS) — Rear Adm. John H. Sides has been named deputy to the special assistant to the secretary of defense for guided missiles.

In his new post, Adm. Sides will assist Dr. Eger V. Murphree, who was recently selected by Defense Secretary Charles E. Wilson to head the department's guided missile activities.

## NOTS Officials Greet SecNav Thomas



THE HONORABLE CHARLES S. THOMAS is shown chatting with NOTS officials shortly after his arrival. Pictured (from l. to r.) are: Dr. Wm. B. McLean, Technical Director; Charles S. Thomas; Captain F. L. Ashworth; and RADM. R. L. Campbell, Commanding Officer of the Naval Base, Long Beach, a member of the visiting party.

## First Visitation To China Lake As 'SecNav'

The Honorable Charles S. Thomas made his first visit to China Lake last Monday as Secretary of the Navy. He arrived at China Lake's Naval Air Facility by plane early Monday morning and spent the greater part of the day visiting NOTS facilities and witnessing technical events.

Secretary Thomas was met on his arrival by Captain F. L. Ashworth, Dr. W. B. McLean and other Station officials. During the visitation, Secretary of the Navy Thomas viewed new developments in the Station's research and development programs, a firing of a guided missile, and heard of the significant work being accomplished here at the Navy's largest ordnance station.

The visit to China Lake by Secretary Thomas was part of a four-day tour of the 11th Naval District.

In a conference at 11th Naval District Headquarters with Rear Admiral C. C. Hartmann, Commandant, Secretary Thomas stated, "The Navy today is going through the greatest transition in its entire history. All at one time it is changing from steam to nuclear power, from

guns to missiles, from gun power to atomic weapons and in the air from propeller plans to supersonic jets."

Secretary Thomas predicted an all-atomic U.S. Navy within 10 to 15 years and further predicted that the United States had built its last battleship. The Secretary concluded his West Coast tour with a visit to the California Institute of Technology at Pasadena.

## Burroughs Class Aids In Editing Rocketeer

The Burroughs High School Journalism Class, as a part of Public Schools Week activities, assisted the ROCKETEER editor in publishing this week's edition of the ROCKETEER. Journalism instructor Wayne Harsh supervised the group's writings while assignments were made by the editor.

To learn how the actual make-up of a paper is completed the journalism class studied at the ROCKETEER office in groups of three, writing cut-lines, stories and learning how to proof-read.

Members of the journalism class are Carole Blackerby, Florence Childers, Karen Cone, Louanne Downey, Diane Jackson, Glenda La Fortune, Bobby Martin and Mina Moye. Working on the Blockbuster, the Burroughs School paper, for this week are Nancy Newell and Margaret Waldron.

### Advance Your Clock

This weekend is the time we change to daylight saving. Advance your clock one hour.



# Rocketeer

Published every Friday at the  
 UNITED STATES NAVAL ORDNANCE TEST STATION  
 CAPTAIN F. L. ASHWORTH, UNITED STATES NAVY  
 Commander

The Rocketeer, an authorized Navy publication is printed weekly by Hubbard Printing, Ridgecrest, Calif., with appropriated funds and in compliance with NAVEXOS P-35, Rev. November, 1945. The Rocketeer receives Armed Forces Press Service material which may not be reprinted without AFPS permission. All photographs are official U. S. Navy photos, unless otherwise specified. Deadlines: News stories, Tuesday, 4:30 p.m.; photographs, Tuesday, 11:30 a.m.

F. E. LANEY

Editor

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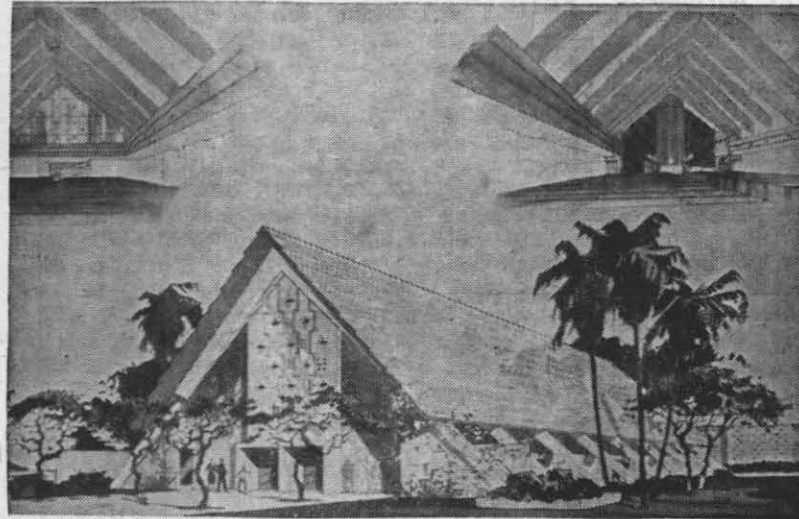
Office: Building 35, Top Deck — Telephone 71354, 72082, 71653

## Awards for Contest Given

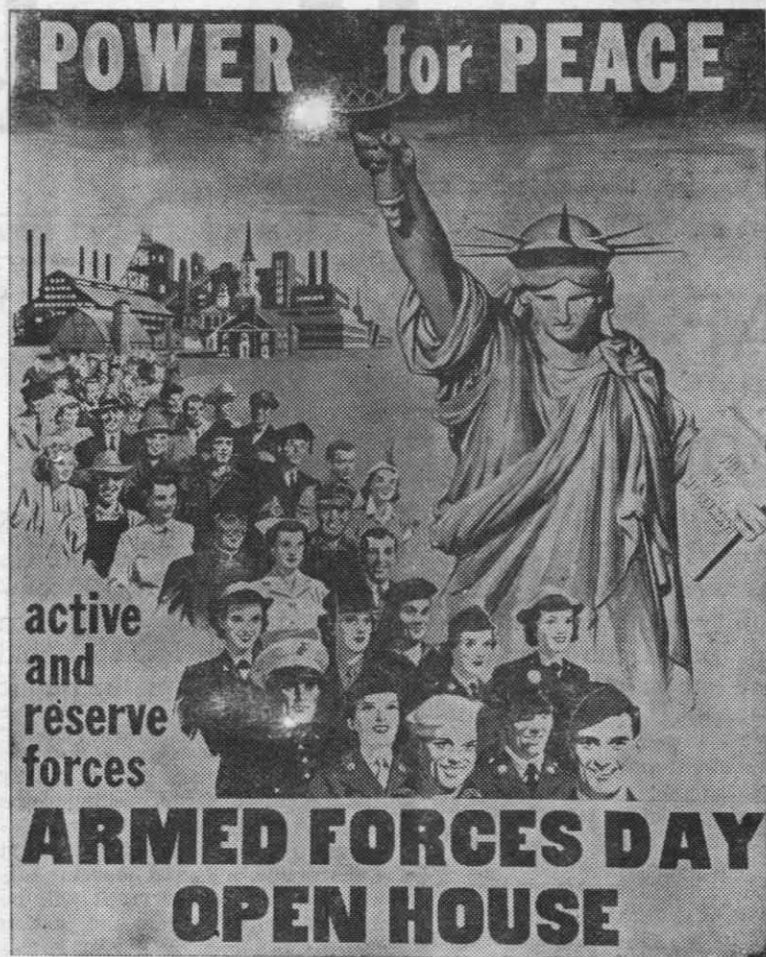


REVIEWING WINNING ESSAYS of the Clean-up, Fix-up, Paint-up contest, sponsored by Elementary Schools Parent-Teachers Association is John McLaughlin, Chairman of the Board of Judges for the contest. Final judging awarded Bill Sutherland (standing) first prize, \$5; Cheryl Robinson (left) second prize, \$3; and Kirstin Highberg (right) third prize, \$2.

## New All-Faith Chapel Underway



ARTIST'S SKETCH illustrates the modern structure of the new All Faith Chapel to be erected within next 11 months in the vacant lot across from China Lake's Bennington Plaza.



POWER FOR PEACE is the slogan again this year for all Armed Forces Day celebrations over the nation. The Navy, the Army and the Air Force will join together in showing John Q. Public their wares. At NOTS, a two-day observance is planned by Armed Forces Day Chairman LCdr. Ralph Stell. All activities will take place on May 19-20.

## Weekend Flower Show Slated Here

NOTS' 11th Annual Desert Wildflower Show, sponsored by the Women's Auxiliary of the Commissioned Officers' Mess, will be held tomorrow and Sunday, April 28 and 29 at the Community Center. Mrs. Frank Jandl, general chairman, urges persons with an artistic flair to lend their assistance in the arrangement of floral displays and table exhibits this afternoon from 1 to 4, and tomorrow morning from 8 to 12 at the Community Center.

In addition to a photographic display by the Salon Group of the China Lake Photographic Society, and a 200 lb. specimen of jade supplied by the Rockhounds, there will be a showing of films on animal life and growth in the desert. The exhibition will be open to the public from 2 to 10 p.m., and from 12 noon to 10 p.m. Sunday. Admission is free but donations will be accepted to help defray expenses.

## Jewish Appeal Official To Speak Here Tonight

Mr. Irving Bernstein, assistant regional director of the United Jewish Appeal for the eleven western states will speak tonight at 8 at NOTS Hebrew Temple. His topic will be "Israel and its Problems."

## Boy Scout Troop 35 Wins Top Honors

China Lake Boy Scout Troop 35 garnered top honors at the Desert District Camporee held April 21 and 22 on Weldon Ranch at the south end of Kelso Valley. Troop 35, led by Scoutmasters Irv Sheffield and Tom Leese, won their honors in competition with eleven other troops from Mojave, Boron, Trona, Inyokern, and Ridgecrest. In all, 167 Desert District Scouts, 37 Explorers, and 60 adult leaders took part in the activities.

Upon arrival at the registration center, each Scout's pack was weighed and compass bearings provided for locating the "Adventure Trail", a test of Scouting experience which included first-aid, obstacle course, and camp preparation. The Explorer Scouts supervised the Trail.

Saturday night campfire was highlighted by the impressive "Tap Out" ceremony which revived the "Order of the Arrow", an honorary Scouting society whose members are selected by secret ballot. Scouts Allen Robinson and John Harris, Troop 35, were inducted into the society.

The troop received its three ribbon award at the general assembly Sunday afternoon.

BUY SAVINGS BONDS

## RAdm. P. D. Stroop Attends NOTS Conference



FORMER STATION COMMANDER, RAdm. P. D. Stroop, Deputy Chief of Bureau of Ordnance, attends a NOTS Research Board conference. Shown (from l. to r.) are: Captain F. L. Ashworth, Station Commander; RAdm. P. D. Stroop; Dr. Wm. B. McLean, Technical Director; and Ruby Nichols, Recorder for the Research Board, Office of the Technical Director.

## That All-Important Day for Sportsmen; Opening of 1956 Fishing Season Saturday

That important day for sportsmen—opening of the 1956 fishing season here-a-bouts, arrives tomorrow at more than 40 California streams and lakes in this Eastern Sierra Mountain area. This means the opening of the TROUT season which will afford anglers a limit of 15 trout, or not more than 10 pounds and one fish.

Necessity of a fishing license for persons 16 years or older, unless he is a member of the armed forces on active duty (with identification), is emphasized by State of California fishing regulations. Anglers can look forward to exceptionally good trout fishing in this area. According to local fishermen, the best lakes and streams in Inyo, Mono, and Kern counties to be fished on opening day are:

### Inyo County

CREEKS — Olancho, Ash, Cottonwood, Tuttle, Lone Pine, Hogback, Georges, Bairs (north and south forks), Shepherds, Symmes, Pinyon, Independence, Oak (north and south forks), Sawmill, Division, Goodale, Taboose, Birch, Big Pine, Baker, Bishop (lower, south and middle forks) and Horton.

RIVERS — South fork of Kern (in Kennedy Meadows reached off highway 395 south of Little Lake).

### Mono County

CREEKS — Rock, Hilton, McGee, Convict, Hot, Mammoth, Rush, Robinson, Virginia, and Swager.

RIVERS — Owens, East Walker below dam.

LAKES — Convict, June Gull, Twin, Silver, Grant, Bridgeport, and Crowley.

### Kern County

RIVERS — Kern (near Lake Isabella entrance).

LAKES — Isabella (open all year for any species).

Sportsmen all know that luck, of course, is a great equalizer in fish-

ing but the art of catching trout is not all a matter of chance. Angling skill is a necessity and so is knowledge of the characteristics of the fish under pursuit.

The following tips on trout habits might well be observed by NOTS fishermen on opening day:

- More food is available for trout in shore waters 25 feet deep or less, so you are more likely to catch fish there.

- Trout have a keen sense of sight. Anglers should use the lightest possible leader consistent with the weight of the fish being pursued. In clear water, leaders of two pounds or less are an absolute necessity. Hooks should be buried completely in eggs being used for bait.

- Trout usually feed best in the early morning or late evening.

- Trout are naturally shy and in bright sunlight they tend to stay out of sight as they seem aware they can be seen.

- In streams, trout look for cover. Fish for them in holes and undercut banks. In early morning or at dusk, fish shallows, riffles, and close to shore.

- Newly planted fish usually remain in water 10 feet deep or less. The older fish take to deeper water.

- In lakes or streams, a spring area is almost certain to produce trout.

- In tests, trout indicate a preference to hit red colored items.

## Superintendent's Notes

By DR. EARL MURRAY, Superintendent of China Lake Schools

A study of the high school problem in the China Lake-Indian Wells Valley area was instituted as a result of meetings in the area which involved the Kern County Committee on School District Organization, the school boards of the districts involved, and members of the professional staff of the districts, the County Superintendent's office, the State Department of Education, and the U. S. Office of Education. The study itself was assigned to a professional group that met in the Administration Building of the Kern County Union High School, three times since October, 1955.

The professional study group was headed by the Assistant Division Chief, School Administration, of the State Department of Education, the Director of the Regional Office of the U.S. Office of Education, the County Schools Office, and the administrators of the Kern County Union High School District, the Indian Wells Valley School District, and the China Lake School District.

As a culmination of the voluminous report made by the professional group who were assigned to the study of the high school problem in this area, a set of criteria to be considered in evaluating the possible solutions were also stated.

These criteria were stated as follows:



DR. MURRAY

- A single high school for this area offers more educational advantages for all pupils in the area.

- All area served by the high school should be in the district and participate in the control and support of the school.

- Federal participation in further construction for high school purposes should be by grants in aid to the district, or use on property owned or leased by the district, unless Federal Government assumes its original obligations (prior to Public Law 815) of providing for all of the high school students in the area.

- Unless the present law is changed, this district construction arrangement is the only one whereby either district or State funds can be expended for facilities.

- The high school should be located to be freely accessible to all pupils and parents as other California schools.

- This problem requires immediate solution. The provision of class-room facilities for both high school and elementary pupils in the area cannot proceed until a decision is made.

- The next move in the solution of the problem requires that officials of the Kern County Union High School District, California State Department of Education, and U.S. Office of Education shall agree upon ONE recommendation to the U.S. Congress for changing the law. It is thought that if these three organizations can come to an agreement that it will be possible to change the law this spring.

- Unless this is done, further delay will result.

### Set 'Em Forward

Daylight Saving Time goes into effect at 1 a.m. next Sunday. All clocks should be turned ahead one hour in compliance with the new time schedule, according to NOTS Instruction 5330.



Starting Times: 6 and 8 p.m. daily  
 Kiddies' Matinee (Special Movies)  
 1 p.m. Saturday  
 Matinee: 1 p.m. Sunday

TODAY APRIL 27

"THE VIRGIN QUEEN" (92 Min.)  
 Bette Davis, Richard Todd  
 Shorts: "Mixed Master" (7 Min.)  
 "Time Stood Still" (10 Min.)

SATURDAY APRIL 28

"THREE RING CIRCUS" (104 Min.)  
 Martin and Lewis  
 Shorts: "Designs on Jerry" (7 Min.)

### MATINEE

"WHIRLWIND" (70 Min.)  
 Gene Autry  
 Shorts: "Mouse Warning" (7 Min.)  
 "Perils of the Wilderness" No. 8 (16 Min.)

SUN.-MON. April 29-30

"STAR IN THE DUST" (80 Min.)  
 John Agar, Mamie Van Doren  
 Shorts: "Gee Whizz-z" (7 Min.)  
 "Creeps" (16 Min.)  
 Rocket Propellant Movie (NOTS)

TUES.-WED. MAY 1-2

"INDESTRUCTIBLE MAN" (70 Min.)  
 Lon Chaney Jr.  
 "CRASHING LAS VEGAS" (62 Min.)  
 Bowery Boys  
 (DOUBLE FEATURE)

THURS.-FRI. MAY 3-4

"MAN WHO KNEW TOO MUCH" (119 Min.)  
 James Stewart, Doris Day



## Facts on Lawn Care Outlined

By Oscar Glatz  
Station Horticulturist

Cutworms are among the most common lawn pests. They are the larvae of moths, such as the Peridroma saucin, which drop their eggs in the turf, and among weeds. The worms that eventually hatch out then burrow underground.

During the night, these worms will feed on the surface, in the roots and rooterowns.

To detect the presence of cutworms, flood an area that looks ragged and wilted and the worms will soon begin to appear on the surface.

Similar symptoms — ragged and wilted condition of the lawn — indicate the presence of sod webworms. They may also be driven to the surface in the same manner. The following suggestions are offered for control of these pests:

(1) Apply a poison bran bait to the lawn in the afternoon, and do not water the lawn that evening.

(2) Apply 10 per cent DDT dust at the rate of six pounds per 100 square feet of turf. Water thoroughly to wash the poison into the soil.

(3) Use ½-pound of lead-arsenate in three gallons of water and spray approximately 250 square yards of turf. Do not water the area for 48 hours.

(4) Chlordane emulsion is a very effective control, but because of its toxicity it should only be used with proper equipment and protection by a person experienced in this work.

Most lawns that have been properly managed will soon recover from the average invasion of these pests when corrective measures are taken.

If quick recovery is not apparent it is usually an indication that the lawn is starved. The soil in this locality is sandy and contains very little or no organic matter. The water retaining capacity also is at a minimum. Because of these conditions, plant food is soon consumed due to the growth of the grasses and because of excessive irrigation.

## 'Story Lady' Takes Her Brood to the Orient

Japan is the destination of tomorrow's magic story hour. Mrs. Alice Floyd, story lady, will conduct her 'little audience' on this imaginary flight at 10 a.m. at the Station Library.

Children from six through ten are invited. It is urged by Mrs. Alice Kirwan, station librarian, to come early as latecomers will not be admitted.

Glasses have a decisive effect on a person's vision, especially when they've been filled and emptied many times.



The Bill of Rights—the first 10 amendments to the Constitution—became the law of the land in 1791. Today, 165 years later, they remain what they were then—an expression of the American mind.

When Congress drafted these rights, its members could recall the indignities many of them had suffered in foreign lands. Even on these very shores the denial of these rights was instrumental in leading them to revolt.

To ensure that future Americans would not be similarly mistreated, Congress outlined the basic freedoms that the government could not deny. These included the freedoms of religion, press, speech, assembly and petition, the right to be secure in their homes from unreasonable search and seizure, the right to a speedy trial by jury, the right to be informed of the charge and to face those testifying against them.

Today, in totalitarian states, citizens still do not enjoy these rights. We know that a Russian, a Hungarian or a Pole may be hauled from his home in the middle of the night and tossed into jail to await "trial" for his "crimes against the state." We know that thousands of Chinese have had their hands tied behind them and a bullet triggered into their brains because they were deemed "enemies" of the "People's Republic." We know that a Czech editor prints only what the state allows him to print.

Like our ancestors 165 years ago, we look to the Bill of Rights as an outline of what men may expect from their governments. Because men throughout the world are still denied these rights, we cherish them even more.

But to cherish is not enough. We must actively defend these rights. That is why we are in uniform.

Another positive means of defense is to exercise our duties as citizens. An intelligent vote is one of our basic duties. Because we are away from home the services have taken great pains to make it easy for us to vote. Let's make use of this opportunity. Freedom and obligation go hand in hand.

## Safety First

SACRAMENTO — California's traffic death toll of 799 for the first three months of 1956 is 18% higher than the same period last year according to provisional figures released today by the California Highway Patrol.

"If this increased rate is maintained throughout the balance of this year, we will record the worst traffic fatality score of our history," declared Patrol Commissioner B. R. Caldwell. "Even a 7% increase for the year will exceed the all time traffic death record of 3,664 set in 1946.

"The increasing traffic death toll presents a definite challenge to everyone concerned with the problem, Caldwell continued.

"The Highway Patrol, knowing that about 90% of these deaths are caused by traffic violations, expects to meet this challenge with continued firm and impartial enforcement directed toward reducing the number of accident causing violations," he said. "The challenge must also be met by every individual interested in stopping the continuing slaughter on our highways. Obey the rules and avoid becoming a traffic victim."

## State Administrator Addresses Desert Family Service Unit

Richard A. McGee, Director of the California State Department of Correction was the guest speaker at the fifth annual dinner meeting of the Desert Area Family Service Agency last Monday evening at the Community Center. His address dealt with the basic problems of juvenile delinquency and crime and the rehabilitation program of state institutions.

This agency is supported by the Indian Wells Valley United Fund, and Mental Health Act Federal Funds distributed through the California State Department of Mental Hygiene. President M. Vaughn Adamson was master of ceremonies; Sylvia Besser, executive director, coordinated the program; Mary Neufeld, Alice Zilmer, Sylvia Smith and Mrs. E. V. Ashburn were in charge of the dinner arrangements; and Kay Felton served as publicity chairman.

In his address, Mr. McGee said: "Juvenile delinquency or crime is a result of an interaction of both personal and social maladjustment, the most singular of which is emotional immaturity. The value of intellectual and social development is readily recognized by society, but the vital necessity for emotional development, which is the motivating force of the individual desire and thought pattern must not be overlooked.

Continuing, he said, "Maladjustment has two basic fundamentals, psycho-neurotic and psychopathic personality. The latter is the most difficult to deal with and requires confinement and psychopathic treatment. These individuals have a colossal ego, have no fear of punishment and can justify their behavior. Children who show critical symptoms in this category by repeated lying, stealing, lack of respect for authority should be dealt with effectively before they develop the behavior pattern. People who may be found on skid row, hoboes, sex offenders, drug addicts and alcoholics come under this category."

McGee emphasized the importance of the political structure at the community level in curbing crime. "Selection of individuals for community leadership should be based on the person's integrity and principals," he added.

### RADIO AMATEURS TO MEET

Radio amateurs residing at China Lake will hold a meeting next Monday in the Community Center at 8 p.m., it was announced today by Lt. (jg) Michael Bedwell, NOTS communications officer.

## Dance Completes 'Clean-Up Week'

A dance, sponsored by the American Legion Post and Auxiliary 684, is to be held tomorrow night at 9 at the Legion Hall as the grand finale of a most successful two-week Clean-Up, Paint-Up, Fix-Up Campaign for the Indian Wells Valley area, has been announced by R. C. O'Reilly, community manager.

"The wholehearted participation of the citizens and organizations has produced a general facelifting that should generate pride in the communities in which we live," said Art Reich, Asst. Community Manager.

Prizes will be awarded during the dance intermission by NOTS Ceramics Club to Station winners. The Rotary Club will donate prizes for winners in the Ridgecrest and Inyokern areas. The Legion Auxiliary will award a door prize; Jitterbug and Waltz contest prizes; in addition to a prize for the man and woman who come dressed in a costume most appropriately depicting the theme of the campaign. A western band will furnish the music. Everyone is invited.

Remember—the vehicle to watch is the one behind the one in front of you.

## Pearl Harbor Man Wins Pasadena Commendation



CHIEF TORPEDOMAN William M. Kirkpatrick Jr., USN, receives a commendation from Captain M. E. Garrison, Commanding Officer of the Pearl Harbor Submarine Base in behalf of Captain W. T. Groner, Officer in Charge, Pasadena Annex. Chief Kirkpatrick, who is stationed at the Pearl Harbor Submarine Base Advanced Undersea Weapons Shop, served as an instructor while attending a course on torpedo maintenance and upkeep held here in January. He received his commendation for volunteering to make the switch from student to teacher.

## Armed Forces Day Committee Plans Open House at Dam

Meeting with Cdr. J. J. O'Brien, project officer for Pasadena Annex for Armed Forces Day, the committee appointed by the Officer in Charge is formulating plans for the open house at Morris Dam on Saturday, May 19.

Principal features of the day will be firings from the Variable-Angle Launcher, diving exhibitions by the Morris Dam "Frogmen," and the popular boat rides on the lake. There will be guided tours of the propulsion pits, exhibits, and movies.

## Tickets Offered In All Sections For Spring Dance

The committee in charge of arrangements for the spring dance, to be held at the Pasadena Elks Club on Friday, May 11, has secured the Blake Reynolds orchestra for that event, and promises a surprise system for the distribution of prizes. Plans call for snacks to be served at night club-type tables.

Maxine Talbot, who is in charge of ticket sales, announces that tickets may be purchased from the following people: in Command Administration, Eva Young; in Public Works, Irma Martens and Stan McDonald; in Supply, Jeanne Gorman and Micky Ball; in Personnel, Madge Davis; in Engineering, Shirley Brooks, Maxine Talbot, and Jean Myers; at Morris Dam, Tom Corse; and at Long Beach, Fred Lux.

In Underwater Ordnance: Sally Tompkins, Betty Halmanski, Allen Blaemire, Bill Kloefer, Dorothy Kendall, Margaret Kaa, Marie Lascor, Bill Macy, Nadine Robinson, and Julia Kinard.

Members of the committee appointed to plan and execute the Armed Forces Day observance are: Cdr. J. J. O'Brien, project officer; Lt. M. L. Conard, food service; LCdr. R. G. Douglas, tours; Peg Gregory, publicity; E. J. Jones Jr., exhibits, movies, and UOD liaison; Cdr. M. J. Knapp, invitations and arrangements; Lt. W. E. Marquardt, transportation and cleanup; CHBOSN D. J. McCafferty, boat rides and diving; Mabry Van Reed, range operation; LCdr. W. T. Waters, safety and public service; and CHRELE G. E. Wilkes, security.

## April Promotions For Annexites

April promotions have included Marvin Copeland, P1000, from mathematician, GS-7 to GS-9; Marion McCormick, P1900, from clerk-stenographer, GS-3 to GS-4; Conrado Galvez, P7921, from helper general, 3rd step, to Rigger, 1st step; William Ervi, P8023, from electronics scientist (general), GS-9, to ordnance engineer, GS-11.

Norman McDonald, P8084, from power plant engineer, GS-11, to supervisory power plant engineer, GS-12; Rosario Taibi, P8092, toolmaker, 3rd step, to ordnance inspector (general), GS-8; and John Busik, production specialist (ordnance), GS-10, to supervisory production specialist (ordnance), GS-11.

## News from Pasadena

### Maudlin, Flygare, Head UOD Branches

Promotions to branch heads were announced this week for two Underwater Ordnance Department employees. Lloyd Maudlin will head the simulation branch of the guidance and control division, and Dick Flygare becomes head of the applied mechanics branch of the research division.

Lloyd Maudlin started work at NOTS Pasadena in the simulation laboratory in 1951. He had taken his bachelor's degree in physics from UCLA in 1949 after serving in the Air Force from 1943 to 1946. He completed work on his master's thesis while working here, and his M.S. in physics was conferred by USC in 1952. This thesis, on the absorption of thin plastic films in the vacuum ultra-violet region, was presented last December before the American Physical Society.

In 1953, Lloyd was one of a group of four who received the Meritorious Civilian Service award for their work on the development of the Hydrodynamic Simulator.

Dick Flygare, who started at NOTS Pasadena with summer employment in 1953, has worked for some time



Lloyd Maudlin

### Technical Talks Given by UCLA, NACA Engineers

Mr. Hubert M. Drake, assistant chief of the research engineering division of the National Advisory Committee on aeronautics, will give an unclassified technical lecture next Thursday, May 3, at 1:30 p.m., in the Building 7 conference room.

Mr. Drake's subject will be "The Research Airplane Program," and he will discuss high-speed flight testing techniques, problems, and some results in the fields of stability, control, air loads and performance. His talk will be illustrated by a 20-minute color film.

This afternoon at 1:30 in the Building 7 conference room, Edward H. Taylor, Professor of Engineering at the University of California at Los Angeles, will speak on "The Hydraulic-Gas-Flow Analogy."

### Annex Vacancies

Photographic-Optical Technician, GS-10. Technical consultant to Range Branch and UOD in design and development of new methods and techniques in the field of photography and instrumentation. Project engineer in charge of all photographic instrumentation, including plans and installations for all major development and evaluation tests assigned to NOTS sea ranges. Duties require broad technical, functional knowledge of the principles and mechanics involving photographic equipment capable of recording experimental data. Contact Bernie Silver.



Dick Flygare

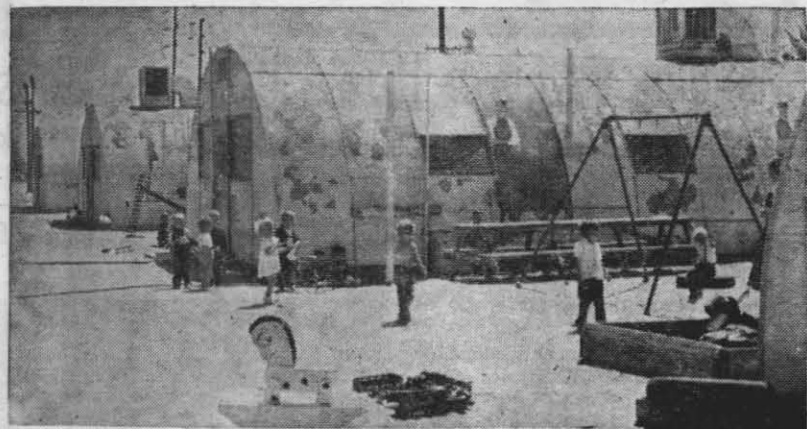
in the applied mechanics branch which he will now head. A graduate of the University of Utah in 1949, with a B.S. in mechanical engineering, Dick took his M.S. in that field at Caltech in 1953. He combined work at NOTS with further study at Caltech, earning the professional degree of Mechanical Engineer in 1955.

### Bill Derby Speaks On Annex Facilities

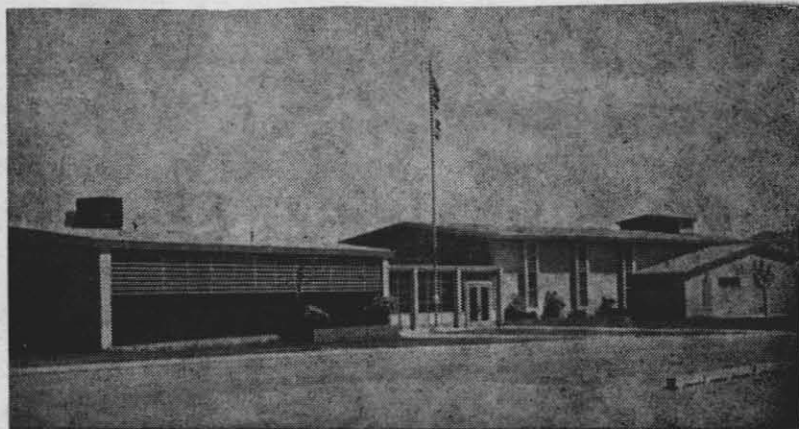
Bill Derby, of the product engineering division, spoke before the West Covina Optimists Club last Monday evening. His subject was a description of Pasadena Annex facilities, which he illustrated with slides, and he also discussed anti-submarine warfare.



# THE PUBLIC SCHOOL ... Our American Heritage



YESTERDAY AND TODAY are shown through these views of the buildings which were used as China Lake's first school and one of the three modern elementary schools of the Station today. School opened in 1945 in the Quonset huts now used as nursery school (left) for 327 elementary students and 148 high school enrollees. This fall, 1778 elementary students and more than 650 high school pupils enrolled at Burroughs High School and Junior High and in Vieweg School (right), Richmond and Groves Schools. The teaching staff has increased from 19 to 112. Administration



is provided through the China Lake Elementary School District with Dr. Earl Murray, superintendent, and Harold E. Pierce, assistant superintendent, for the elementary schools; and through the Kern County Union High School and Junior College District for the high school. Principal of the local high school is Dr. Murray with Kenneth W. Westcott as assistant principal. Burroughs Adult Education Program, which has an annual enrollment of more than 1400, uses the high school buildings and is under the direction of Wilbur J. Shortt.

## Curriculum Offers Variety of Classes With English, Social Studies as Core

Terminal education, preparation for college and preparation for a successful life in society are some of the goals of the training given in Burroughs High School.

For every student these goals may be achieved in different ways. To get the best results, a variety of classes are offered with each class intended as a definite part in the whole training of the student.

Core of the Burroughs' curriculum is the coordinated English and social studies program. Required of every student, the four-year program is designed to show the student his relation to the society in which he lives.

By showing how heritage and environment is reflected in the adult attitude, the freshman English and social studies classes aid students in adjusting to a mature social world. Also included in the freshman curriculum is the study of ancient civilizations as the basis of our modern world, and training in driver education.

**Sophomore Year — the world**  
Starting with the fall of Rome, sophomores in the social studies program learn of the history and traditions of all nations—studying "American democracy in relation to the world in which we live." Correlated with the study of world history is the study of world literature from the classics through to contemporary world authors.

Taught all four years, English grammar rules and spelling are stressed, during the freshman and sophomore years.

**Junior Year — America**  
American history, from the European backgrounds through to present-day legislation, is covered in the junior year social studies pro-

gram. Accented are the study of the Constitution as a working document and the federal system of government.

Again literature is correlated, with students covering the writings of American authors from the Pilgrim writers through contemporary novelists.

A special English project of the junior year is the completion of a term paper through which students learn library research techniques and organization of material in an orderly, interesting fashion.

**Senior Year — the state**  
In senior social problems, state and local governments and the rights and duties of all citizens are covered as well as units on career planning, family relationships, and various social and economic problems designed to help prepare the student for his role in society.

Students write colleges of their choice to obtain full information on college requirements and offerings and both Burroughs' counselors and counselors from various California colleges discuss with them the questions of college life. Class units of study cover vocational training as well as the professional fields of study.

Senior English is designed to give the student a wider background in the classics and the contemporary writings of British, American and world authors. Also stressed is composition.

**Science and Mathematics**  
To give students an understanding of the physical universe and to meet college entrance requirements, a wide variety of science and mathematics courses are offered. Beginning with basic science



FIRE PREVENTION is the theme for these members of Mrs. Vera Weightman's second grade group at Richmond School.

and mathematics, the courses advance through algebra and geometry to the laboratory sciences of physics, chemistry and biology, and mathematics courses of solid geometry and trigonometry.

College entrance requirements, as well as student interests, are also met through Burroughs' foreign language offerings which at present consist of Latin I and II and Spanish I and II.

**Variety in Electives**  
In the category of special interest classes are the curriculum offerings in such courses as arts and crafts, the fine arts, music, journalism, library science and photography.

Both special interest courses and terminal education or vocational training are offered through courses in the departments of business education, homemaking and industrial arts.

Typing, shorthand, general business and office courses give students training in both vocational and avocational fields.

Special arrangements with the various school offices give the stud-

ents practical, supervised experience in business training.

Homemaking courses cover all topics of modern housekeeping on a budgeted basis from cooking and sewing through home decorating. Healthful living for young America is stressed through-both study and laboratory-type work units.

Woodshop, metalshop and mechanical drawing classes offer training to boys in the uses of wood and metal. Construction on a step-by-step basis through the use of drawings is featured along with consumer appreciation and skill in the use of hand tools and electrically-powered equipment.

Physical education and hygiene are covered in the required physical education courses for all students. Rounding out the physical education program is a wide list of offerings in varsity and intramural sports.

These classes, and classes added each year to fit the needs and interests of Burroughs' growing student body, form the background and the framework of training for the high school students of today.

## An Editorial ...

This year America will spend more than ten billion dollars to educate some thirty-five million students in public and private schools. *What are the returns on this investment?*

The tangible returns are students trained to take jobs in offices, industries and homes or trained to continue their education. The less tangible return—equally important—is the training for living in a democracy which the schools help give.

Thomas Jefferson, almost two centuries ago, stated the thesis on which American public schools are founded—that for the preservation of a democracy, an educated citizenry is the first necessity.

Statesmen, leaders and citizens since the time of Jefferson have realized even more fully the importance of free public schools. Today's system of education, from kindergarten through adult education, is the result. Tomorrow's system is the plan.

Defining this plan the California Teachers Association this year stated today's thesis of education: "The public school is of itself a recognition that only an enlightened people may safely exercise liberty and wisely pursue happiness."

This is the foundation of China Lake Schools—the foundation of America. —Margaret Waldron



WITH AN ATMOSPHERE of Canada about them, members of Mrs. R. Gray's sixth grade class at Groves School concentrate on their daily lessons, emphasizing a study of our northern neighbors.

## Elementary Schools Stress Three "R's" Plus Ability to Think, Work, Cooperate

Parents want the best possible education for their children. School administrators and teachers have the same objective. In a typical American "give and take" manner, public discussion, criticism and debate develops guide-lines for setting objectives and determining action. Although all parents and teachers will not agree, the following is a list of suggested fundamentals that many people, interested in schools, will accept.

● The child must know some of the important facts basic to his living—facts of language, social living, science, and health.

● The child must have skills basic to modern living—skills involved in seeing, speaking, listening, reading, writing, arithmetic, maintaining health and getting along with others.

● The child must have an understanding of himself and of his environment.

● The child must develop habits and attitudes of good-citizenship. The above facts, skills, and understandings are valuable only as they are combined into actual social and normal behavior, associated with citizenship in a democratic state.

● The child must develop abilities

in clear thinking. This fundamental is essential in facing the future: to solve new problems, to think critically about current affairs, to distinguish between fact and opinion; the important and unimportant, in a world of many opinions and propagandas.

These five fundamentals are a big order, too big for the school alone; help must come from home and community. Stated simply, we want the child to know, to think, and to act. Are the "3 R's" included? They certainly are, but by themselves they aren't enough. More knowledge, skills in working with others, ability to think through one's problems—these are the fundamentals of present day child development.

—Harold E. Pierce



SPEED WITH ACCURACY is the goal for typists in the Burroughs' business education class instructed by Mrs. Eunice R. Barnes as they complete a 5-minute timed test.

## Organizations Offer Training Through Participation

To teach student participation in and management of their own activities, Burroughs High School offers a group of clubs and organizations. These range from scholastic honoraries through the spirit-generating Pep Club.

High on the list of campus activities is the Student Council which

helps in the planning and co-ordinating of all student affairs. Headed this year by France Adamson, the executive board is made up of Barbara Mussler, secretary; Myrna Carter, vice-president; and Sandra Robinson, treasurer. Representatives are elected from each social studies group. Principal activities directed by the Council include Homecoming and the Carnival. Advisors are Kenneth Westcott and Alfred Schostag.

The California Scholarship Federation is a statewide organization

for students maintaining a high scholastic achievement. Sponsor of the Burroughs' chapter is Leona M. Osborne. The officers are Dennis Clemente, president; Gary Reynolds, vice-president and treasurer; and Linda Costello, secretary.

The purpose of this organization is scholarship for service. Some of the highlights of their activity schedule this year were raising money for a Foreign Exchange student and completing an educational trip to Los Angeles where the members vis-

ited Occidental College and toured Disneyland.

Boosting school spirit for the athletic teams and school recreational programs are the main purposes of the Pep Club. It is open to any member of Burroughs High School interested in the school activities.

Numerous other clubs and organizations offer opportunities for students interested in teaching, art, the sciences, athletics, dramatics, foreign countries and social participation.