

Buddy Poppy Sale Slated May 25-26

Chairman Cora Spiers of the Lloyd E. Frost Ship announced this week that Veterans of Foreign Wars Post No. 4084 will conduct its annual Buddy Poppy campaign on Friday and Saturday, May 25 and 26.

In making this announcement, chairman Cora Spiers said that her Buddy Poppy committee has been meeting twice a month formulating new approaches for the 1956 sale. One of the innovations this year will be for the organization to contact personally all local industrial and business firms.

She noted also that through the rehabilitation work of the Veterans of Foreign Wars thousands of dollars in tax money was being saved by all citizens in the community.

The chairman also warned all citizens to check each poppy for the official, copyrighted V.F.W. streamer labeled "Buddy Poppy" before making any contribution.

Of every dime collected in the annual sale of Buddy Poppies in the community, five cents stay in the local community. Two and one-half cents of the original dime goes to state and national V.F.W. rehabilitation service. One cent out of every dime goes to the V.F.W. National Home for widows and orphans at Eaton Rapids, Michigan, a home for children and widows of deceased soldiers. One and one-half cents goes to pay the disabled veterans who made the poppies, and for other expenses.

Coming & Going

New Employees:

Aviation Ordnance — Eunice A. Mansell.

Community Affairs — Virginia R. Moody.

Personnel — Jeanne L. Ollikkala.

Command Administration — Margaret J. Wright, John W. Lambie.

Research — Karl Kenaga.

Test — Patricia M. Hernandez, Donald R. Perlich.

Public Works — Evelyn M. Marsden, Hazel D. Temple, Violet A. Rock.

Propellants & Explosives — Theodore B. Meadow.

Engineering — Raymond Reed.

Terminations:

Command Administration — Jesse L. Walden.

Test — Bernhardt Sandler, Margaret E. McHugh.

Public Works — Doris King, L. Mason, Margaret Stokes, Leonard H. Newton, Harley R. Caldwell.

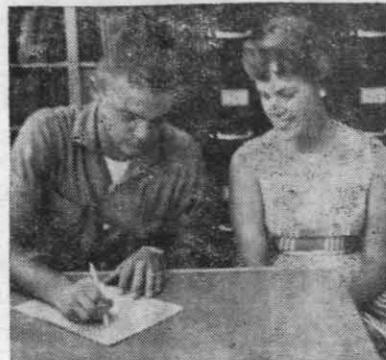
Propellants & Explosives — Leotis Haynes.

Rocket Development — Philip Palm.

Supply — Chauncey Morris.

Central Staff — Patrick J. Cooney.

Top Scholars



SCHOLARSHIP HONORS came to France Adamson, left, and Suzanne Hough this week when they were named as valedictorian and salutatorian, respectively, for Burroughs High School Class of 1956. Adamson was also recently named as the Elks Scholarship Prize winner while Miss Hough was announced this week as the winner of the \$200 scholarship presented annually by the local American Association of University Women to the senior girl with the highest scholastic average.

TV Fund Drive Goal Is \$15,000 for Area

China Lake and Ridgecrest communities are co-sponsoring a fund drive to raise \$15,000 to be used for the installation of a power line to Laurel Mountain, site of the TV booster station. The campaign was launched this week by the China Lake Supervisors Association and the Ridgecrest Chamber of Commerce.

Citizens of the two communities have long agreed that a power line would be the simplest, most economical answer to the problem of maintaining a source of energy to operate the booster station. It would automatically eliminate expensive generator repair and maintenance costs, according to Charles Bradley, TV drive chairman.

It is anticipated that the power line supply of electricity will aid in giving a better reception. Approximately \$5 per family in both the China Lake and Ridgecrest areas is the estimated contribution set to reach the goal. The drive is to continue through May 26.

Bradley also stated that all TV fund solicitors will be equipped with receipt books. The receipts are gummed so that they may be displayed at home.

Donations may be made to any solicitor or at the Service Branch, Department of Community Affairs in the Housing Office building. Checks should be made out to Navy Recreation Fund and may be mailed to the Recreation Officer, NOTS, China Lake, California. Receipts will be sent by return mail.

During WWII, 39 navy landing craft received Navy Unit Citations.

Federal Communications Commission Officials Stress New Interference Rule

Bernard Linden and Robert Stratton, representatives of the Los Angeles Federal Communications Commission Office, were here last Monday to discuss with NOTS and area people the problems of television interference. A special meeting was held Monday night in the Community Center that was well attended by television service men, television salesmen, interested citizens, and amateur radio operators. Groups were in attendance from Inyokern, Ridgecrest, China Lake, Trona and Barstow.

George Sutherland, chairman of the TV Interference Committee, hosted the guests throughout the day and took them on special tours of Station facilities.

At the night session, Linden explained the Commission's position with regard to "Part 15 of the FCC Act" as it now affects television set operation and other low power radiation. "Diathermy radiation", explained Linden, was the first unlicensed transmission that was regulated. Since then the Commission has deemed it necessary to regulate all radiation devices (including TV receivers) that transmit an interfering signal.

Effective May 1, 1956, all new television sets sold will have to be certified as being free from radiation effects; by June 30, 1957, all television sets will have to be certified, the FCC representatives stated.

Stratton told those attending the special meeting that over 500 unlicensed booster stations are now in existence over the United States and that of these, the China Lake booster station is the only one authorized by the FCC. In speaking of booster stations and interference, Stratton further pointed out that amateur radio operators were often the worst violators of interference in that signals radiated by short wave power sets often blacked out the additional power of TV reception from booster stations. He asked that amateur radio operators cooperate with local officials in solving this interference problem.

John Turner, president of the local radio amateur's club, and Steve Little, secretary, both pledged full cooperation to the local cause. In addition to this pledge of support, President Turner gave a resume of what the club planned to do to combat local interference problems. Primarily, this consists of the formation of a "QRM Committee" which would hear complaints and distribute questionnaires about interference problems to local residents.

Conference Chairman George Sutherland spoke in detail about specific areas of interference. He pointed out to those present the following particular offenses:

- Oscillating pre-amplifiers.
- Sweep oscillators within the set



George Sutherland

that are not properly shielded.

- Skill saws.
 - Radio controlled model airplanes.
 - Inferior radio receiving sets.
- Sutherland stated that it is not a difficult or expensive thing to correct faulty television and radio receiving sets once the cause of the interference has been solved. He further stated that the owner of a radio or TV receiver, regardless of tuning range, date of manufacture or certification, is responsible for harmful interference caused by the set. The new FCC regulation requires the owner to promptly correct the cause of interference.

Sutherland asked that all radio and TV interference problems be referred to his office, Ext. 72266. Every effort is being made to eliminate all types of interference and to increase the TV signal strength of the Laurel Mountain booster station. Citizens having interference complaints should contact Sutherland or the local committee on TV interference.

Satellite Golf Club Members Elect Officers for 1956-57

Members of the Satellite Lake Golf Club elected new officers at their meeting this week in the Golf Club building. Those elected were: President—Matt Weightman; Vice-President—Dora Pinkerton; Secretary—John Trent; and Treasurer—Don Cooper. Board members elected were John Winsett and Al Zernikow.

THE WEATHER

Mostly fair for week-end. Surface winds light and variable night and morning becoming southerly during afternoons 10 to 20 knots. Temperature range minimum 50° to maximum 78°.

Rocketeer

TEMPERATURES (Housing Area)

	Max.	Min.
May 3	92	58
May 4	76	60
May 5	80	52
May 6	79	55
May 7	74	55
May 8	76	54
May 9	65	48

VOL. XII, NO. 20

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

MAY 11, 1956

Reports Clean-Up Day Kicks off Navy Wide Forms Review

"Reports Clean-Up Day" last week kicked off a comprehensive Navy-wide drive designed to eliminate unnecessary reports now in use by the Navy. All Navy units are reviewing the many reports they use with an eye towards eliminating a lot of "red tape."

The Bureau of Ordnance is strongly aware of the heavy reporting workload which exists at its activities. The Bureau is anxious to effect improvements in this situation, therefore suggestions are earnestly desired.

Overall objectives of the review are to:

- Improve necessary reports to meet current needs.
- Provide effective reporting procedures and forms and economical methods of maintaining source data and preparing reports.
- Provide clear and complete reporting instructions.
- Provide reporting frequencies and due dates which are realistic. This is in terms of actual need for information and of workload in activities.
- Substitute summary reports for unnecessary detailed reports.
- Eliminate reporting that unnecessarily duplicates other reporting or does not serve justifiable purposes.
- Reduce or eliminate reporting that does not result in benefits commensurate with cost of preparation and use.

All "Reports Clean-Up" recommendations made by local personnel should be forwarded to the "Reports Clean-Up Committee" in Central Staff, extension 72013.

Navy Calls Conference On Reservist Policies

Washington (AFPS) — The annual meeting of the National Naval Reserve Policy Board has been called for May 14 at the Pentagon by Navy Secretary Charles S. Thomas.

The board, headed by Rear Adm. William K. Romoser, assistant chief of naval operations for reserve, is convened yearly to consider recommendations made by officer and enlisted reservists.

Problems in organization, administration, training facilities, retirement and others will be discussed.



PARTICIPANTS in the Junior Government Assistant (JGA) Training Program who are receiving additional formal training in the administrative staff organization at NOTS are pictured above. Standing (from l. to r.) are: Kenneth Miller; Thomas Atchison; Jerry Gold (Pasadena); Stanley Winard; and Akira Yamashiro. Shown seated (from l. to r.) are: Elaine Nowak; Pat Lockard; and Donnie Goettig.

Local JGA Training Program Augments Employee's Administrative Background

In recent months NOTS has been conducting an internship for administratively trained personnel. The internship is called the Junior Government Assistant Training Program. Its purpose is to recruit employees having an interest (and training) in the field of administration. The training is designed to augment the employee's formal training by providing the employee with a systematic orientation of the administrative staff organization of NOTS.

The general plan consists of four to six assignments. Each of these assignments are of approximately one month's duration in different fields of administrative work. The total training time is six months.

In each assignment the trainee is given a project of work that enables him to become familiar with the function and personnel of the unit in which he is working. Each assignment is supplemented by selective readings, by attendance at designated committee meetings, training sessions, etc.

Trainees are selected for this administrative program at a Station panel. Each applicant must pass a written examination and applicants may be Station employees or

KNXT TV Program, 'Panorama Pacific' Will Feature NOTS

Captain F. L. Ashworth, Lt. Commander Ralph Stell, and Dr. Frank Cartwright will appear on the television show "Panorama Pacific" next Friday morning. The group will tell of the Station's mission, describe some of the scientific work being performed here, and extend an invitation to the public to visit NOTS on Armed Forces Day.

"Panorama Pacific" is dedicating its entire morning show next Friday to the armed forces. The NOTS story, one of several to be presented, is to be the first feature of the show and is expected to take place between 7:05 and 7:15 a.m.

Station Mission

On the show, Capt. Ashworth will briefly discuss the mission of the Station and the civilian-military team which works in close harmony to accomplish the mission. Dr. Frank Cartwright, associate head of the Development Division (missile), Aviation Ordnance Department, will represent the NOTS scientific staff and will tell of that group's function and progress. LCdr. Stell, Armed Forces Day chairman, will represent the military staff at NOTS and is scheduled to describe the 1956 Armed Forces Day program to be held here next weekend.

TV Show Includes

LCdr. Stell in telling the NOTS Armed Forces Day Committee of plans for the TV show indicated that the program would include SNORT, NOTS rocket developments, the desert catapult and arresting gear at NAF, the dart tow target, and other points of interest of the Station. It is expected that some movie film made here on the Station also will be shown on "Panorama Pacific."

Excavation Work on Chapel Proceeding on Schedule

Work on the Station's new all-faith chapel is progressing as planned, according to Chaplain J. L. Carter. A major portion of the excavation work is now complete and soon the pouring of foundations will begin.

Rocketeer

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

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The Constitution of the United States, after 169 years, remains a delicately constructed document, resplendent with fine points among its clear and sweeping principles.

Lawyers today still examine it, much like a doctor examines the body, to get a full understanding of its operation.

The Constitution provides for a balance of power between the federal and the state government. There is provision, too, for a system of "checks" and "balances" among the legislative, executive and judicial branches of the federal government.

Clearly, the men who wrote the Constitution gave us a remarkable blueprint of government. They gave us what we needed—a technical, finely drawn plan as the basic document of a growing country.

But, like any blueprint, no matter how exact and finely drawn, it will serve little purpose without tools. The tools of the Constitution are the people. (The document depends on their actions.)

We give the Constitution meaning when we exercise our duties as citizens. Voting is one such duty.

The Defense Department has made it relatively easy for service personnel to vote. We must cast our ballots if this document is to continue to serve as the blueprint of a growing, democratic government. (AFPS)

GEBA Enters 4th Year of Operation

NOTS Government Employees Benefit Association, (GEBA) an organization that was created to provide immediate financial assistance to families of employee-members in the event of their death, ends its third year of successful operation this month.

To date, it has paid out \$6,106 to families of deceased members. The present membership is approximately 500 and only Station employees are eligible for membership. There are no age limitations for membership.

Further information may be obtained from K. T. Faust, 210-B Halsey, extension 77474.

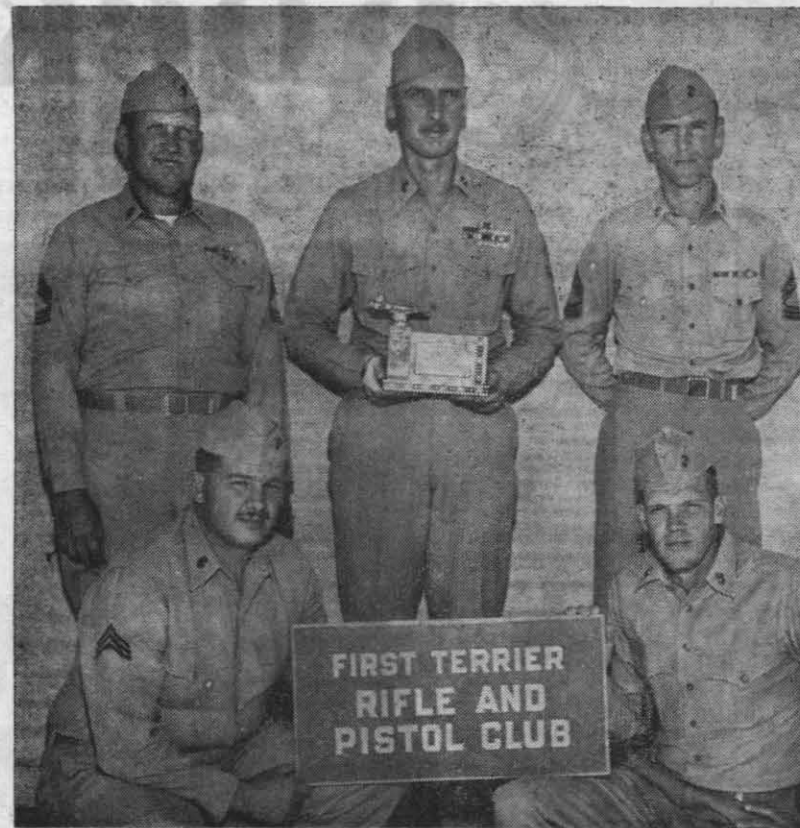
Vic Vet says

NO PENALTY MAY BE CHARGED FOR EXTRA PAYMENTS ON GI MORTGAGES. VETERANS MAY MAKE EXTRA PAYMENTS EQUALLYING ONE MONTH'S PAYMENT OR \$100, WHICHEVER IS LESS.



For full information contact your nearest VETERANS ADMINISTRATION office

Marine Sharpshooters



FIRST TERRIER SAM BATTALION Rifle and Pistol Club is pictured following their competition with the Ridgecrest Rifle and Pistol Club. The local Marines defeated Ridgecrest by a score of 1,289 to 1,285. Team members (standing l. to r.) are: M/Sgt. W. A. Evans, T/Sgt. R. F. Waggener, M/Sgt. J. R. Downey. In the front row (l. to r.) are: Sgt. I. R. Goff (rapid-fire trophy winner), and T/Sgt. J. P. Hedrick.

CSC, Union Leaders Discuss Impact Of Automation on Federal Employment

The effects of automation on Government employees and employment were discussed by 35 representatives of Federal employee unions and Civil Service Commission officials at a recent meeting.

The meeting was part of a fact-finding survey under way in the Commission since last January on the impact of automation on Federal employees and Federal personnel management. Purpose of the survey is to anticipate and resolve personnel problems which may result from automation.

In connection with the meeting, the Commission said that employee groups can make a significant contribution by making available any factual data, opinions, or recommendations they have relating to employee problems and needs resulting from automation.

The specific objectives of the survey are:

- To find out the extent of automation and other major technological changes in Federal Government operations.
- To anticipate personnel management problems which may stem from such major technological changes.
- To provide a basis for action in

the field of Federal personnel management as warranted by the survey findings.

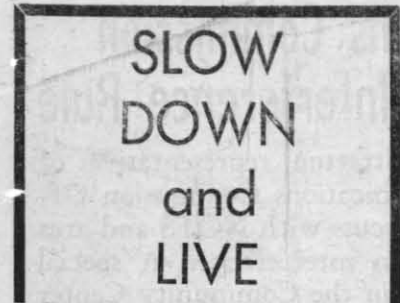
The Commission emphasized that its survey is concerned with the personnel aspects of automation. Among the questions the Commission is seeking answers to are: Which Federal agencies are now concerned with large-scale technological changes? Are there employee recruitment, displacement, and training programs involved? What are Federal agencies now doing about the personnel problems and needs arising from extensive technological changes?

In addition to meeting with Federal officials and employee organizations, the Commission's survey staff is visiting Government installations where major technological changes are occurring and is reviewing related experience in private industry.

TERRIER May be Seen On 'Wide World' Sunday

Dave Garroway will guide TV viewers on a tour displaying America's "Power for Peace" on his show Wide World next Sunday on channel 4 at 1 p.m.

Featured on the program will be a showing of TERRIER, the Navy's guided missile, which will be fired from the USS Mississippi at Virginia Beach, Va.



Governor Goodwin J. Knight announced this week that he had joined with the governors of the other 47 states, the Territory of Puerto Rico, and the Commissioners of the District of Columbia in signing a joint declaration pledging support to the nation's "Slow Down and Live" traffic safety campaign this coming summer. The declaration pledges to employ "every available means to make our streets and highways safe from Memorial Day through Labor Day, 1956".

In a separate action the Department of Defense has sanctioned this same program and as a result it will be observed at Army, Navy and Air Force installations throughout the world.

Need for action is emphasized by the fact that 1,071 persons died in California traffic during the first four months of 1956. This toll includes 147 more dead than for the same period last year and indicates that California is headed for its worst year in traffic accident history.

W. A. Huggins, national president of the State Safety Coordinators group and coordinator of the California program, said that emphasis this year will be on enforcement.

The entire program will point at reducing violations associated with the "in-a-hurry complex." These violations include excessive speed, speed too fast for conditions, improper passing, following too closely and failure to yield the right-of-way.

In discussing the program, Huggins stated: "Thousands of vacationists will swell our highways during the 'Slow Down and Live' period, bringing highway travel and congestion to an all-time high. The Declaration by the Governors paves the way to greater highway safety through a strong traffic law enforcement program throughout the nation.

"Motorists have a dual interest when traveling by car, to get to their destination, and to get there safely. During the active summer months, particularly, they can best do that by careful, cautious driving and by voluntarily supporting the enforcement efforts of public officials and traffic law enforcement agencies and personnel."

Your future is in your hands. Make it as bright as you can. Enroll now as a payroll saver and keep United States Savings Bonds for the big things in your life.

Appropriation Hagen Predicting \$800,000 for BHS

WASHINGTON, D.C. —Congressman Harlan Hagen today announced a House sub-committee has agreed to make \$800,000 available to the Kern County Union High School District for use in expansion of the Burroughs High School facility at China Lake.

Hagen said the action was taken by a sub-committee of the House Education and Labor Committee following a hearing yesterday. Testifying before the sub-committee in addition to Hagen were Theron L. McCuen, Superintendent of the Kern County Union High School District, and Frank Wright, Associate State Superintendent of Public Instruction.

The funds would be authorized in legislation continuing in effect federal assistance in areas in which there is an influx of students due to federal activity. The Burroughs High School is located on the Naval Ordnance Test Station, China Lake.

The legislation making funds available still must clear the full House Education and Labor Committee, as well as the House of Representatives and the Senate.

"This constitutes a most encouraging step toward resolving a problem which has plagued Kern County school officials, as well as federal authorities for some time," commented Hagen. "It is to be hoped that the funds will be made available during the current session of Congress, and I shall certainly make every effort toward that end."

The Burroughs High School is in need of additional facilities and is confronted with a shortage of construction funds due to a limited assessed valuation.

Kern County Schools Superintendent Jesse D. Stockton's office expressed gratification that the action has been taken to ease the problem and expressed the hope that it will prove beneficial in effecting a final solution.

Local high school officials have not as yet received a final interpretation of what the new proposal will actually mean to Burroughs. Various interpretations of the proposal have been rumored, however it is expected that clear-cut information about how the \$800,000 is to be spent will be received here next week. The bill, before becoming effective must be approved by the House and Senate.



INCOMING BOARDS of directors of the Station high school and elementary P-TA groups are shown assembled at Burroughs high school campus. Officers of the high school board (from l. to r.) are: R. J. Gilkinson, treasurer; Marie Fleck, secretary; and M. Vaughn Adamson, president. Officers of the elementary board (from l. to r.) follow; Kay Felton, secretary; and Russ Bjorklund, treasurer.

New Leaders



NEW EXECUTIVES for the Burroughs High School Chapter of the California Scholarship Federation, named at elections this week, consider data on their Foreign Exchange Student Project. From the left they are Sandra Witt, secretary; Margaret Waldron, president; and Ruby Rupp, vice-president, treasurer.

P-TA Installs New Officers at Annual Dinner Next Week

Harley Tillitt will be the master of ceremonies at the Parent-Teachers Association installation banquet next Thursday, May 17 at 6:30 p.m. in Burroughs Cafetorium.

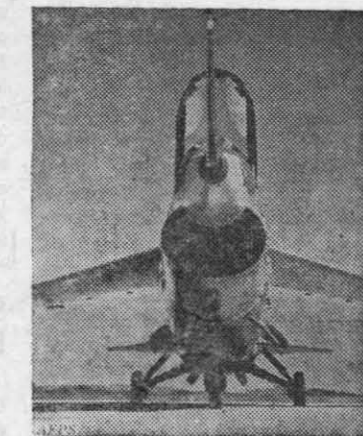
Last year the China Lake P-TA divided to form a high school and an elementary group. The two groups are combining their installation ceremonies this year, and plan to make this an annual affair.

The high school incoming board of directors are: M. Vaughn Adamson, president; Helen Buchanan, vice-president; Marie Fleck, secretary; and Robert Gilkinson, treasurer. The elementary incoming board of directors are: Dr. Andrew Adams, president; Jolly Shefler, vice-president; Kay Felton, secretary; and Russ Bjorklund, treasurer.

Dr. Adams and Mrs. Shefler will report on their trip to the state P-TA convention at Sacramento. A folk dancing exhibition will be provided by sixth grade students under the direction of Audrey Gray and Caroline Hockett.

Dinner tickets may be purchased for \$1.80 each from the incoming or outgoing board members. The outgoing members are: Ken Robinson, A. G. Hoyem, Maxine Booty, Charles Arnold, Carl Barker, Mrs. H. M. Steth, and Lewis Radcliff. Notices will be sent home with elementary students for the convenience of parents who prefer to buy tickets directly from the school P-TA representatives.

Fat and Fast



THIS IS A NOSE-ON ground-level view of the Navy's ultrasonic F8U-1 Crusader, one of the fastest carrier jets which was recently given suitability tests aboard the Forrestal. The view was made a little more weird by leaving the canopy open.

Rhymes of the Times



Servicemen's Show Coming
 The servicemen of NOTS invite you to attend their new stage production that is to be staged here next weekend in the Station theatre. You are promised an excellent evening of entertainment.

Station's 'Safe-Driving Council' Reports On Monthly Summary of Traffic Violations

At the April meeting of the Station's Safe-Driving Council, the following facts and figures were reported:

April Traffic Violations	
Cars put off base for not having PL & PD Insurance	4
Military personnel restricted from driving on base by their Commanding Officer	16
Reckless driving	1
Speeding	39
Driving without operators license	1
Driving without operators license in possession	2
Failed to make Blvd. stop	8
Illegal parking	39
Warnings on defective vehicle	37
TOTAL 147	

TOTAL 147

Traffic Court Hearings	
Cars put off base for not having PL & PD ins. for 30 days	4
Military personnel restricted from driving on base by their Commanding Officer	16
Reckless driving, case dismissed (motorcycle)	1
Speeding, grounded for 60 days	1
Speeding, grounded for 30 days	4
Speeding, grounded for 3 weeks	1
Speeding, grounded for 2 weeks	8
Speeding, grounded for 3 weeks, suspended for 6 months	1
Speeding, grounded for 2 weeks, suspended for 6 months	3
Speeding, grounded for 2 weeks	3

'Job Safety Week' To Start Monday

"Job Safety Week" begins next Monday and ends Saturday, May 19. This period was designated by President Eisenhower who has called upon all citizens to join him in making the week a success. LCdr. C. E. Hackwith, Station safety officer, asks all NOTS personnel to give wholehearted support to the campaign.

Posters urging job safety have been distributed over the Station to remind workers that "safety pays." Speakers will talk about job safety in many of the Station's departments and movies about job safety are available from the Safety Office.

Security police will stress the safe and efficient use of motor vehicles and motorized equipment. Chief of Police G. W. Sullivan states that almost all vehicle accidents could be prevented by complying with established speed limits, driving with care, caution, and courtesy. He asks all China Lake citizens to exercise safe driving habits not only during "Job Safety Week" but the year around.

Accidents do not "just happen." Statistics prove that if you believe in the philosophy that "avoidance in the past means immunity in the future" you are all wrong. Such a belief may be the most fatal fallacy of all. NOTS safety officials urge you to observe "Job Safety Week" by working and driving safely.

Safety First

SACRAMENTO — Some misunderstanding of the school bus law is indicated by the actions of many motorists when approaching a stopped school bus on the highway, says the California Highway Patrol.

"The law requires motorists to stop only when the school bus is stopped and the red lights are flashing," stated Patrol Commissioner B. R. Caldwell. "If the sun is in a position to make the lights difficult to observe, it is well to slow down until you can discern the status of the lights."

"It is not necessary to stop if the school bus is standing and the red lights are not flashing. It is advisable, however, in the latter situation, to approach the bus at a controlled speed and be prepared for a quick stop if some child should unexpectedly run across the highway without warning."

"The cooperation of every motorist is needed to provide maximum safety to children who use the buses," Caldwell said. "Motorists who stop on the highway when not required to do so usually cause their cars to become hazards resulting in rear end collisions and other traffic conditions leading to possible accidents."

"If the provisions of this law are not clear, complete information can be obtained at any highway patrol office. It is wise to know and obey all traffic rules."

RHYMES OF THE TIMES

THOSE WHO ARE OUT TO SPEED FOR THRILLS OFTEN HIT A SPEED THAT KILLS



A CHILD'S CARELESSNESS WITH A BICYCLE resulted in this tragic scene. Unconscious, and with broken, twisted leg he lies on the bicycle which swerved in front of the car shown here. NO—it really didn't happen, but it could!

Child Cyclists Creating Traffic Safety Problem; Parents Warned

Children riding bicycles about the Station are causing a great traffic safety problem, according to Police Chief G. W. Sullivan. Many of the children are not old enough to be capable bicycle riders and others are extremely careless. Chief Sullivan cautions parents that they are fully responsible for minor children while riding a bicycle on Station streets. He urges all parents to exercise careful judgment before allowing their children on the streets with bicycles.

Children soon will be dismissed from school for the summer vacation period and this will pose even a greater traffic safety problem for the local police force. Statistics show that during the summer months more children are on the streets with bicycles than at any other time of the year.

The following is a listing of safety regulations controlling the operation of bicycles according to state law:

- Ride on the extreme right of the street.
- Never ride "double."
- Utilize standard hand signals in turning and stopping.
- Observe and abide by all posted signs for vehicular traffic.
- Never demand the "right-of-way" from auto traffic.
- Keep bicycles in good operating condition as to wheels, brakes, and steering.
- Register bicycles with police.
- Minimum requirements for night riding is to have a light on the front of the bicycle and a reflector on the rear.

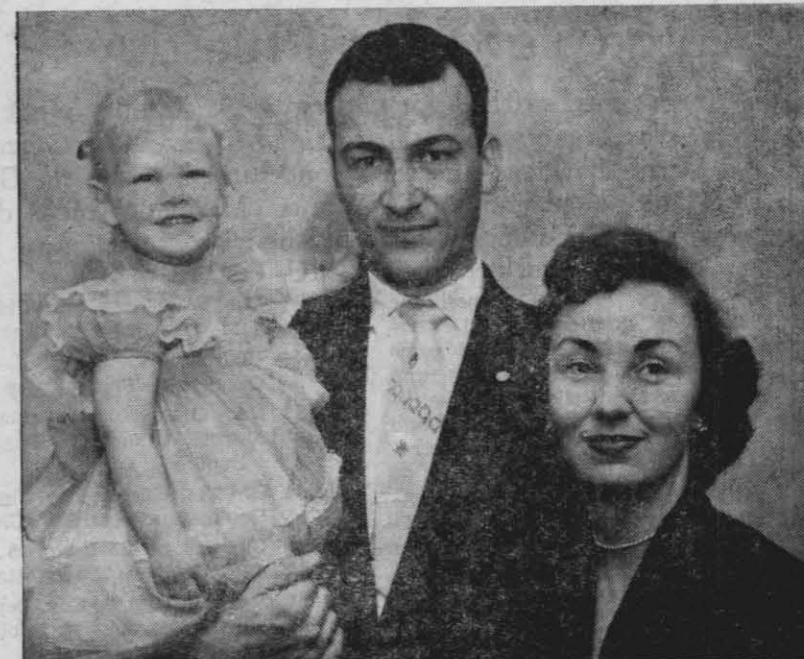
There's financial security in these four words—United States Savings Bonds. Get them with Payroll Savings!

Ridgecrest Crossroad Gets New Stop Sign

An announcement has been received from Captain G. H. Carrithers, Public Works Officer, that a new stop sign was installed this week at the north corner of China Lake Blvd. and Ridgecrest Blvd. intersection.

This information was released by Mr. John P. Adams, District Engineer from the Bishop District, California Division of Highways.

Gautschi Family Leaves for East



Ted Gautschi, his wife Mary, and daughter Barbara, leave next week for Boston where they will live for the next twelve months while Ted attends M.I.T. under a Sloan Fellowship. Sloan Fellows move their families to Boston for the full year of residence required under the program. Wives meet with faculty members of the school in a series of informal seminars on subjects related to the business environment.

UOD's Ted Gautschi Wins Annual Sloan Fellowship Award

Ted Gautschi, head of the design branch, development division (Torpedoes EX-2, Mk 32), has been selected as one of the Sloan Fellows for a year of training in the executive development program of the Massachusetts Institute of Technology.

Ted is the fourth NOTS man to receive the award, and the third Pasadenan. Most recent recipient here is Don Steel, head of the Underwater Ordnance Department.

About thirty fellowships for the M.I.T. program are financed each year through funds provided by the Alfred P. Sloan Foundation. Nominations are received from both large and small companies, and from a variety of industrial and other business backgrounds throughout the United States. These young executives, who are about one-fourth of the way along in their industrial careers, spend twelve months at M.I.T., studying in depth the fundamentals that underlie sound management.

Ted, who is a resident of Altadena, was born in Los Angeles and received his B.S. degree in electrical engineering from the University of California at Berkeley in 1944. Later he served as a lieutenant in the Navy until 1946. He worked as a design engineer for C. F. Braun in Alhambra, and as staff electrical engineer on the Caltech synchrotron project before coming to NOTS in 1950 to work on SNORT. Early in 1952 he became a project manager on the EX-2 and now heads that division's design branch.

Squares Take Lead In Golf Tourney

The Squares took the lead with four points in the first week of the NOTS Pasadena golf tournament. In second place are the Divot Diggers with three points, followed by the Duffers with two and a half, the Sodbusters with one and a half, the Pea Pickers with one, and the Birdies bring up the rear with a goose egg.

Wendell Alexander and Bill Staal, with identical scores of 38 gross and 36 net on the par 35 course, each won a golf ball as prize for low gross and low net.

Meet Your Friends

At the NOTS Spring Dance TONIGHT

Pasadena Elks Club

News from Pasadena

Supply Department Leads Field in May Promotions

Eleven Supply Department employees were promoted, effective last Monday. Six contract specialists moved up from GS-9 to GS-9. They are Clinton Weaver, William Schmid, George Hughes, Henry Nichols, Joseph L. Martin Jr., and Ted Schell. Two production specialists, Chester Curtner, and Albert Nowlin, were promoted from GS-8 to GS-9, and Samuel Ryckman rose from supervisory production specialist, GS-9 to GS-10.

Also in the Supply Department, Elayne Colson received a promotion from purchasing agent, GS-4, to contract specialist (negotiation), GS-6, and William Morgan became an equipment specialist (electronics), GS-5, in a move from time and leave supervisor, GS-4.

Elizabeth Brown was promoted from time and leave clerk, GS-3, to time and leave supervisor, GS-4, in central staff.

Transferring from Supply, where he was an equipment specialist, GS-5, William Parker joined Underwater Ordnance as an electronic mechanic, 3rd step, in P8023. P-8023 also promoted John Sandy from ordnance engineer, GS-11, to general engineer, GS-12.

Other promotions in UOD were: Margery Ross, P8096, publications editor, GS-7 to GS-9; Robert McGuire, P8092, engineering draftsman (general), GS-5 to GS-7; Donald Braidwood, P8045, electronic scientist, GS-7 to GS-9; William Schneider, P8089, electronic scientist (instrumentation), GS-9 to GS-11; and Frank White, P8082, supervisory ordnance engineer, GS-12, to supervisory general engineer, GS-13, in P808.

In the Engineering Department, Donald Taylor was promoted from industrial engineer, GS-5 to GS-7.

Job Vacancy

Electrical or Electronic Engineer GS-11. Product design to reduce fabrication costs of underwater ordnance electronic and some mechanical systems. Those having production experience should apply. Printed or etched wiring, transistor applications, dip soldering, plug-in subassemblies and unitization of circuits, preferred circuits, plastic encapsulation, and modular construction are processes and techniques used in the simplification of the design for fabrication, maintenance, and checkout. Contact Bernie Silver, Personnel Division.

Ten-Year Pins To Be Awarded

High point of next week's All-Hands Meetings will be the presentation of NOTS ten-year service pins to about a hundred employees who have earned them. This group is composed principally of the people who came into civil service with the Caltech NRDC group.

A special ceremony which had been planned in their honor was postponed because the ten-year emblems were late in arriving. It was again postponed until enough pins could be procured to include eligible China Lake employees in the planned presentation. That event is scheduled for Friday, May 18.

By now several more people have passed the ten-year mark and joined the group who will be honored next week at the All-Hands Meetings.

Capt. W. T. Groner and Don Steel will be present at these meetings to answer questions, both those submitted in advance and any that may be asked during the meetings. Scheduled times and places for the meetings of each unit appeared on this page last week.

Frank White To Give 'Recital'

Frank White, P808 engineer, is one of a group of organists who will present a recital at the Pasadena Civic Auditorium next Wednesday, May 16.

This is Frank's second appearance in the annual recital of this group of organists. He has been studying for two years and has an organ at home. His wife plays, and his seven-year-old son has made such progress that he is expected to take part in next year's recital.

Frank says, as an organist, that when the neighbors start to ask you to open your windows instead of demanding that you close them, you know you are in.

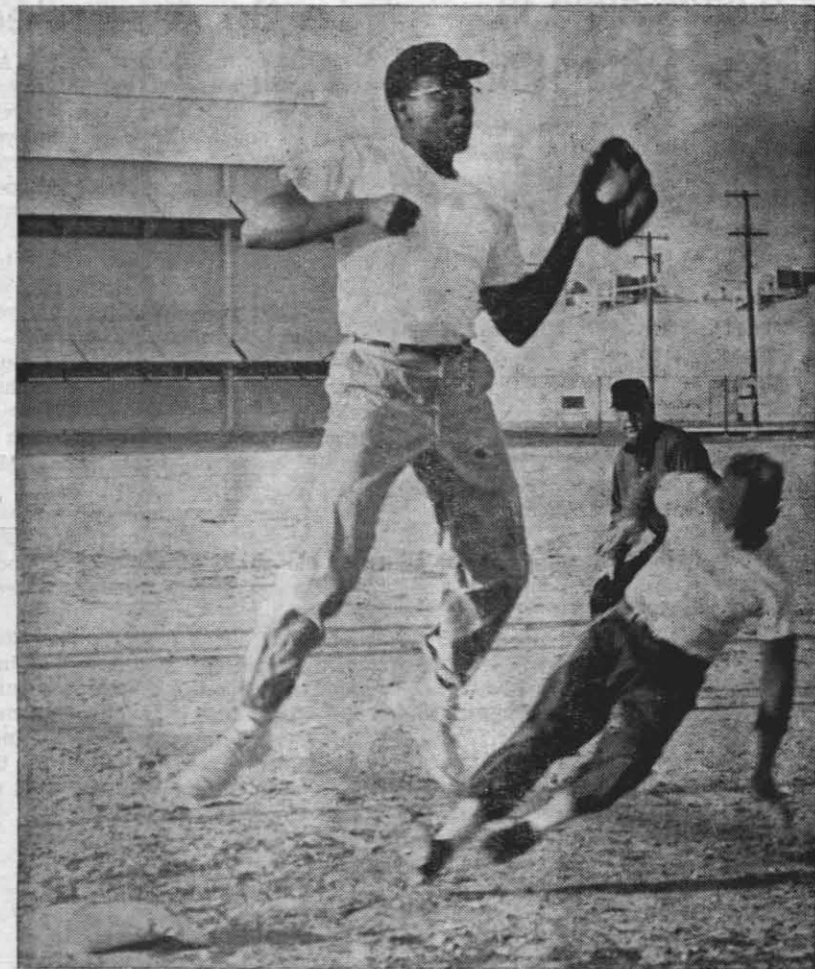
NFFE to Hear Report On State Convention

Local 1101 of the National Federation of Federal Employees will meet at 8 p.m. on Thursday, May 17, at Vasa Temple, 2031 E. Villa St.

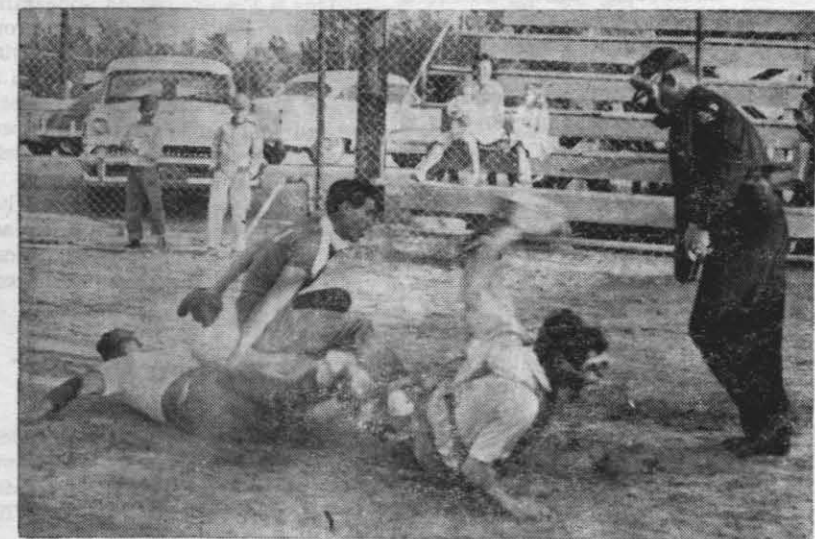
Reports on the state convention of the NFFE, being held this weekend in Long Beach, will be given at the meeting by the three delegates, Cora Harding and Florence Williamson of the Supply Department, and Winnona Harper of LA-OD, president of the local.



CPO Club Hot on the Bases



STEALING THIRD is Al Popp of the CPO Club squad as Clipper third baseman James Simms leaps to make the catch. Umpire Ed Laney gets set for the call.



STEALING HOME is CPO squad member Mike Wierzak. Clipper pitcher Billy Brown is knocked from his feet by Mike's slide as catcher Ralph Pinto gets bowled over in the play. Umpire Milo Pooley keeps an eagle eye on the play.

Servicemen's Show Coming Next Week

Station's Intra-Mural Softball Season Started Last Tuesday

Intra-mural softball got underway last Monday night as league play began with the first game between NAF Officers and Marine Barracks, and the second game between the GM Test Unit squad and Public Works. Marine Barracks defeated the NAF Officers squad by the narrow margin of 13 to 12. Public Works overran GMU Test 12 to 2.

In Tuesday night's games, the CPO Club downed Test Department's Clippers. The second game between the Transmitters and GMU-25 was cancelled after one inning of play due to high winds and drifting sand. This game will be replayed at a later date.

Other scores of the week's contests were not available at ROCKETEER press time, but a listing of the league standings will be published at intermittent times during the season.

Beginning with next week's schedule league play will be as follows:

DATE	TEAMS
May 14	Public Works vs. Clippers
May 15	Transmitters vs. Infirmary
May 15	GMU-25 vs. Pilot Plant
May 15	Eng. Dept. vs. EM Club
May 16	NAF Officers vs. Public Works
May 16	Marine Barracks vs. Clippers
May 17	GM Test Unit vs. CPO Club
May 17	Transmitters vs. Eng. Dept.
May 21	GMU No. 25 vs. EM Club
May 21	Infirmary vs. Pilot Plant
May 22	NAF Officers vs. CPO Club
May 22	Marine Barracks vs. Public Works
May 23	GM Test Unit vs. Clippers
May 23	Transmitters vs. Pilot Plant
May 24	GMU No. 25 vs. Eng. Dept.
May 24	Infirmary vs. EM Club
May 28	NAF Officers vs. Clippers
May 28	Marine Barracks vs. GM Test Unit
May 29	Public Works vs. CPO Club
May 29	Transmitters vs. EM Club
May 31	GMU No. 25 vs. Infirmary
May 31	Eng. Dept. vs. Pilot Plant
June 4	NAF Officers vs. Transmitters
June 4	Marine Barracks vs. GMU No. 25
June 5	GM Test Unit vs. Infirmary
June 5	Public Works vs. Eng. Dept.
June 6	CPO Club vs. Pilot Plant
June 6	Clippers vs. EM Club
June 7	NAF Officers vs. GMU No. 25
June 7	Marine Barracks vs. Infirmary

Burroughs Places Second In Trona Track Meet

Members of the Burroughs High School track team placed second in the "Class A" track meet held at Trona last Friday afternoon. Victor Valley won the meet, Barstow was third and Mojave fourth.

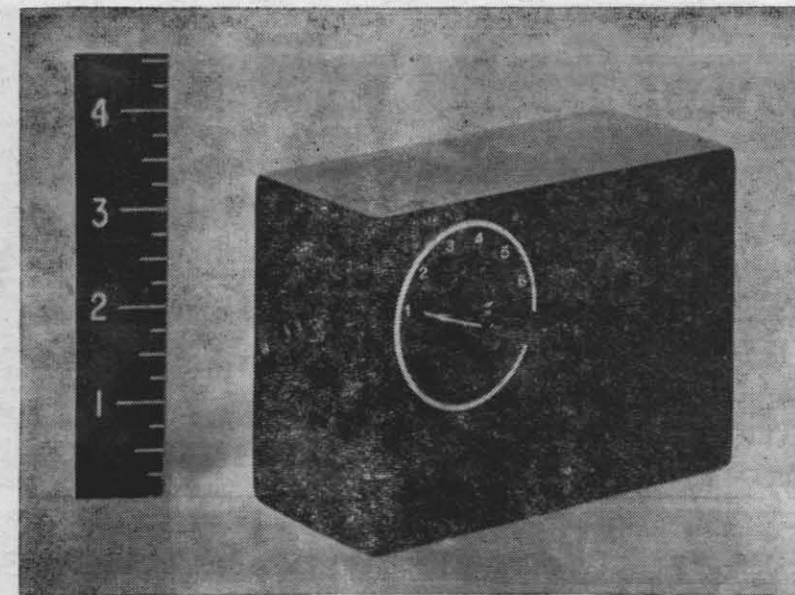
Coach Matt Weightman expressed satisfaction with the performance of all members of the squad. Burroughs has now won two meets and placed second in the third one.

June 11	Public Works vs. Pilot Plant
June 11	GM Test Unit vs. Eng. Dept.
June 12	CPO Club vs. EM Club
June 12	Clippers vs. Transmitters
June 13	NAF Officers vs. Infirmary
June 13	Marine Barracks vs. Eng. Dept.
June 14	GM Test Unit vs. Pilot Plant
June 14	Public Works vs. EM Club
June 18	Clippers vs. GMU No. 25
June 18	CPO Club vs. Transmitters
June 19	NAF Officers vs. Eng. Dept.
June 19	Marine Barracks vs. Pilot Plant
June 20	GM Test Unit vs. EM Club
June 20	Public Works vs. Transmitters
June 21	CPO Club vs. GMU No. 25
June 21	Clippers vs. Infirmary
June 25	NAF Officers vs. Pilot Plant
June 25	Marine Barracks vs. EM Club
June 26	GM Test Unit vs. Transmitters
June 26	Public Works vs. GMU No. 25
June 27	CPO Club vs. Infirmary
June 27	Clippers vs. Eng. Dept.
June 28	NAF Officers vs. EM Club
June 28	Marine Barracks vs. Transmitters
July 2	GM Test Unit vs. GMU No. 25
July 2	Public Works vs. Infirmary
July 3	CPO Club vs. Eng. Dept.
July 3	Clippers vs. Pilot Plant

Appointed



K. T. FAUST, assistant fire chief, is appointed new secretary-treasurer of NOTS Government Employees Benefit Association. He replaces Gilbert O. Bryant who resigned.



RULER indicates size of NOTS designed NRL Radiation Detector.

Bujes Discovers New Applications for Use of Navy's Atom-Radiation Detector

The February 3, 1956 issue of the Rocketeer carried a story under the heading "Navy Develops New Detector to Measure Atom-Radiation." The detector discussed, employs a cadmium-sulfide crystal that is not as long as a paper clip. The crystal, along with a battery for power, is housed in a box that measures only 2 x 4 x 5 inches. This is a fraction of the size of a conventional radiation monitor.

Dr. J. I. Bujes radiological consultant of the Propellants and Explosives Department has been working along similar lines with a cadmium-sulfide crystal, but has discovered new and interesting applications for the device.

Using radioactive Cobalt 60 as a source of radiation and the cadmium-sulfide crystal as the detector, Dr. Bujes has worked out a method for inspecting the welds of ships. The radiation from the Cobalt 60 passes through the welds and any flaw is recorded on the cadmium-sulfide detector unit. It is a simple GO-NO-GO operation. Flaws in the welds will change the radiation beams enough to cause the crystal to react.

At present, the U.S. Government has about 500 tankers which require examination about once a year. The normal procedure for inspecting the welds of these ships has been to use radiograph, involving expensive x-ray films. The cost of this method is around \$5,000 per tanker, or \$2,500,000 annually for the 500 tankers.

In 1954, BuShips assigned to NOTS a project to design a method for detecting such flaws without using the expensive X-ray films of the radiographic method.

Dr. Bujes estimates that use of the cadmium-sulfide detector will bring the cost down to about \$1,000 per tanker, or an annual savings of \$2,000,000. This is as yet unproved, but experiments have shown that with an adequate Cobalt 60 source the method seems quite possible. The crystals cost about \$10 each whereas other detectors such as the scintillator and Geiger counter cost about \$500 and \$250, respectively.

The cadmium-sulfide crystal has other applications, according to Dr. Bujes. One application has been demonstrated at NOTS. This is the detection of the absence or presence of O-rings on the igniter cup of a fully assembled rocket motor. Before the cadmium-sulfide crystal, there was no simple way to detect O-rings under such conditions.

There are undoubtedly numerous uses for this small, compact detector unit that will come to light as work progresses.

The aircraft carrier Forrestal has a complement of more than 100 fighter and bomber aircraft.

Superintendent's Notes

By DR. EARL MURRAY, Superintendent of China Lake Schools

The following information is reported by Eleanor S. Lowman, who is a specialist in Soviet Education, International Education Division, Office of Education, U. S. Department of Health, Education, and Welfare.

The Soviet educational system has for a number of years been oriented toward the training of scientists, engineers, technicians, and skilled laborers. A significant part of this educational system is the secondary-school program which has been exerting an important influence on the substance and quality of higher education and of technical and vocational training. As a result of changes in policy regarding Soviet secondary education during the past two years, the emphasis on the sciences and on technical fields has become even stronger.

The curriculum of the Soviet 10-year-school—close to the equivalent, because of its longer school week and longer school year, for the American 12-year program—has for many years required an average of about 40 percent of the total school hours for the study of sciences. And in the fall of 1955 it was announced that "more time will be devoted to the teaching of physics, chemistry, and biology by reducing the study of the human-

ities to secondary importance."

The emphasis on science in Soviet schools contrasts sharply with the situation in the United States. Whereas each of the more than one million Soviet students graduating from secondary schools last June had taken five years of physics, one year of astronomy, four years of chemistry, five of biology, ten of mathematics, including algebra, geometry, and trigonometry, less than a third of a total of approximately the same number of American high school graduates has taken as much as a year of chemistry. About a fourth had had a year of physics, and less than a seventh had taken any advanced mathematics.

The sharpness of this comparison is heightened by the fact that in the United States few college students are being prepared to teach mathematics and the sciences at high school level. While high school enrollments in the United States are going upward steadily, the proportion of college graduates who qualify to teach high school mathematics and science continues to decrease. This past June only 249 men and women who had specifically prepared to teach high school physics were graduated from colleges or universities in the United States. According to estimates based on past experience, only half or about 125 of these graduates will actually go into teaching. What is happening in the teaching of physics also is true for chemistry, mathematics, and other scientific subjects.



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

TODAY MAY 11
"GOODBYE MY LADY" (95 Min.)
Walter Brennan, Brando Dewilde, Phil Harris
Shorts: "Rabbitson Crusoe" (7 Min.)
"Navy All American" (9 Min.)

SATURDAY MAY 12
"THE VIOLENT SATURDAY" (90 Min.)
Victor Mature, Richard Egan
Shorts: "That Others May Live" (10 Min.)
"Hollywood City of Stars" (10 Min.)

MATINEE
"RIDE 'EM COWBOY" (86 Min.)
Abbott and Costello
Shorts: "Lion Down" (7 Min.)
"Perils of the Wilderness" No. 10 (16 Min.)

SUN.-MON. MAY 13-14
"COMANCHE" (86 Min.)
Dana Andrews, Linda Christal
Shorts: "Playful Pelican" (7 Min.)
"Borrah Minnevitich" (10 Min.)

TUES.-WED. MAY 15-16
"BOLD AND THE BRAVE" (87 Min.)
Wendell Corey, Mickey Rooney
Shorts: "Ostrich Egg and I" (7 Min.)
"Facing Your Danger" (10 Min.)

THURS.-FRI. MAY 17-18
"TOY TIGER" (87 Min.)
Jeff Chandler, Laraine Day, Tim Hovey
Shorts: "Busy Buddies" (7 Min.)
"Italian Memories" (20 Min.)

Engineering Lecturer Speaks Here Tuesday

Philip F. O'Brien, Lecturer in Engineering, University of California at Los Angeles, will deliver a technical lecture on "A Radiation Analogue" in Room 2067 Michelson Laboratory, at 1 p.m. next Tuesday.

O'Brien, who received the B.E. degree from USC and the M.S. from UCLA, has served for several years as the UCLA liaison representative to the Station on the University's Graduate and Extension Program. This summer he will be in residence at the Station from June 25 through August 17 to represent the University, and to offer a course in Thermal and Luminous Radiation, Engineering 153.

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