

Split Sessions Due Pending Building Of Murray School

The Murray Elementary School planned for the Desert Park area at China Lake will not be ready for occupancy until the spring or fall of 1959, according to present progress reports.

"Problems of on-site development and the processing of federal applications have made it necessary to postpone the date of completion originally aimed at September of 1958," according to Harold E. Pierce, Assistant District Superintendent of China Lake Schools.

The initial construction at the site, located at the northeast end of the new Wherry housing area, will include two kindergarten units, three classrooms, and a minimum administration unit.

Completion of the total plant will not be possible until entitlement under the present federal law makes it possible or until the present federal law is changed to allow long range planning and financing of school buildings on federal property.

The revised completion date of the Murray School will necessitate double session classes at China Lake during part or all of the 1958-59 school year, depending on the actual completion date of the Murray School.

Pierce stated, "The most logical placement for double sessions will be at the primary level because of the shorter school day. Plans for 1958-59 have not progressed far enough to definitely determine what rooms or classes will be on double sessions."

From projected enrollment figures, it appears that four primary classes will be organized on a double session basis. Transportation will be an item determining placement of double session classes.

Pierce concluded that unless unforeseen developments occur, double session classes will be limited to the 1958-59 school year.

Sharpshooter...

That "good shooters are made, not born." Genners had never handled a heavy caliber rifle prior to his entry into the Marine Corps.

For three years, he slowly improved to the point where this year, he not only became an expert rifleman but set a new range and a Barracks' record as well.

Indicative of his shooting is the fact that he fired nine out of a possible ten bulls-eyes from 500 yards. The one shot that failed to hit the bulls-eyes was no more than three inches from the black.

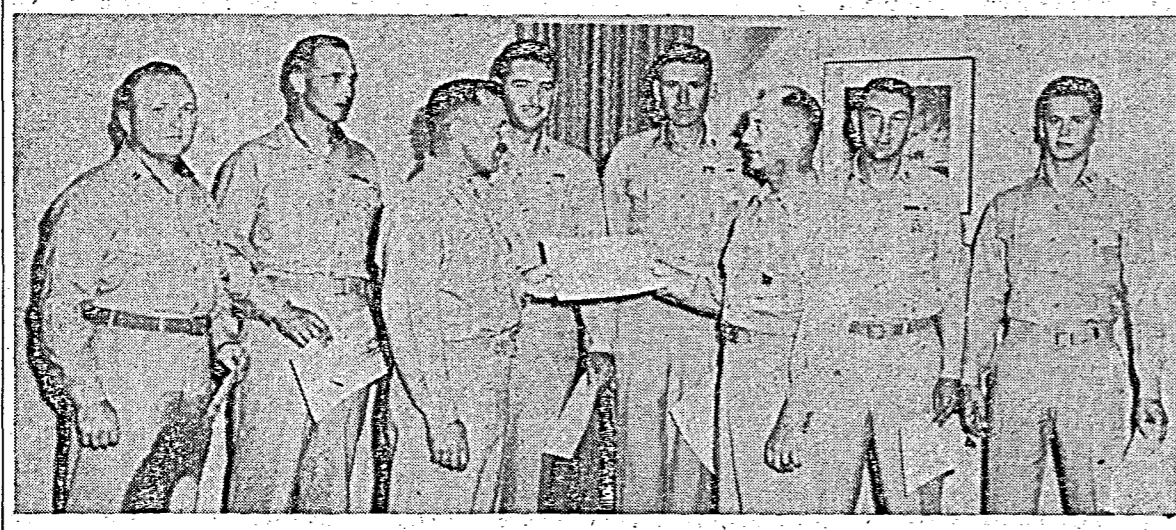
With 92 out of 94 Marines qualifying this year, the Marine Barracks established a new high in qualification percentage. For several Marines, this was the first year that they had ever qualified.

The fact that over 66 per cent ended up firing sharpshooters or expert is testimony in itself of the effort expended by shooters and coaches in attaining the new records.



BOWLING CHAMPIONS—Cdr. Seldon May (left) accepts for GMU-61 the 1957-58 Armed Forces Intramural Handicap Bowling League Championship trophy from Capt. W. W. Hollister.

championship team (l. to r.) are: LCdr. Gordon Duncan, team captain; Arthur Westcott, GFAN; Robert Boatright, GFT; Philip Smelosky, AOS; Clifton Rogers, YN2; and Vernon Acker, AO2.



SECOND PLACE BOWLING WINNERS—Maj. Bruce Rushlow (left) accepts for the Marine Guided Missile Test Unit a certificate designating MCGMTU as second place winners in the 1957-58 Armed Forces

Intramural Bowling League. Team members (l. to r.) are: Capt. Melvin E. Dell; Lt. Denton Fenstermacher; 1st/Sgt. Alvin Hinton; T/Sgt. Robert Cash; S/Sgt. Donald Gladden; Pfc. Melvin Hansen.



TENNIS WINNERS—Winners of the Station Intramural Tennis Championship (l. to r.) are: Dr. Howard Wilcox, 2nd place in doubles; Don Moore; 2nd winner in doubles; Don Beresford, receives Dept. trophy for

singles and doubles; Jim Smith, Doubles Champion; and Dr. Hugh Hunter accepts the Championship Trophy for the Propellants and Explosives Dept. from Capt. W. W. Hollister.

China Lake Players Win County Oscars

"The Medicine Show," the China Lake Players' entry in the Kern County Drama Festival last Saturday evening at the Bakersfield College Auditorium took two awards.

The players were honored to receive these awards," said Ed Romero, president of the drama group, "especially since the play was a simple folk comedy.

Assoc. Tech. Director To Appear on TV Show

H. G. Wilson, Associate Technical Director, will appear on television Channel 11, today at 5:30 p.m.

Bill Welsh, famed Los Angeles telecaster, will interview Wilson, touching on NOTS' part in America's defense, and its place in space programs.

Work Permit Required Under 18 Years of Age

Any person under the age of 18, whether in school or not, and even with a high school diploma, must have a work permit before he can be hired.

David E. Howe, attendance officer at Burroughs High School, stated this week that work permits are required under the labor laws of California and can be obtained only from the attendance office at Burroughs High School.

He also pointed out that any employer suspected of exploiting child labor will be subject to investigation from Sacramento officials.



BOWLING CHAMPION—Dennis Ward, Station Athletic Director, and Capt. W. W. Hollister presents Raymond L. Radcliff, CSI, the trophy for High Series Bowling Champion. On the left is Ensign Arlen Olson, Special Services Officer.

COMING EVENTS

IRE Meet

The China Lake section of the Institute of Radio Engineers will hold its next meeting Monday, May 5, at 8 p.m. in the Community Center.

Featured speaker will be Dr. H. L. Richter, Jr., from Jet Propulsion Lab of the California Institute of Technology who will speak on satellite instrumentation. Visitors are invited.

Desert Art Leaguers List Sketching Classes

The sketching sessions scheduled by the Desert Art League for the month of May will be held on Monday, May 5, and Wednesday, May 21, at the Anchorage from 7:30 to 10 p.m.

An outdoor sketch day is planned for the near future. Membership cards have been printed and those wishing to join may obtain their card at any of the above meetings.

Membership dues are \$3 per year for adults and \$1.50 for students. Persons interested in developing artistic skill but have no art background should remember the words of Emerson: "Every artist was first an amateur."

School Bond...

awarded the contract to build the first increment of construction of the new high school. The money, provided by the bond issue election will provide financing to complete the school plant.

Voting will be held on the bond issue throughout the Kern County Union High School and Junior College District. The \$9 million covers construction at eight other high school locations in the district and additional funds for Bakersfield Junior College which is now attended by 72 Burroughs graduates.

District high school enrollment is at a new high of 14,000 and increasing at the rate of 1,000 a year which will include many future NOTS school graduates who will go on to Bakersfield Junior College.

Station residents who do not have transportation to the voting polls may have it provided by telephoning the following numbers: Wherry—718-87021; Groves School area—74233; Burroughs area—72532.

Baby sitters will also be provided during voting hours for mothers with young children. For this service call: Mrs. Ruddell, 201-A Independence, Ext. 73672; Mrs. Fenstermacher, 403 Dorado, 718-85601; and Mrs. Smith, 406-A McIntire, Ext. 77033.

Closing Date Extended On Gardener Exams

Applications are being accepted at all Naval and Marine Corps activities in the Eleventh Naval District for Leadingman Gardener examinations until May 16, 1958.

Eligible applicants must meet the qualification standards and should be serving under career or career-conditional appointments.

Copies of the announcement listing salaries and qualification requirements are posted on department bulletin boards and the Personnel Department bulletin board.

AF Day...

Applications are being accepted to the public stands at the show area. The rear access road to NAF will be closed to all traffic except buses and emergency vehicles.

It is expected that an influx of people for the show may cause a shortage of housing. Station personnel expecting visitors should advise them of the conditions.



PERSONNEL DEPT. AWARDS—M. Vaughn Adamson (left), Head of Personnel Operations Division, presents Superior Accomplishment awards to department personnel. Recipients (l. to r.) are: Fawn Haycock, \$100; Tom Atchison, \$200; Avis Donahue, "O" Rating Performance; and Leroy M. Jackson, \$300.

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ROCKETEE

Vol. XVI, No. 16

U. S. Naval Ordnance Test Station, China Lake, California

Friday, May 2, 1958



ARMED FORCES DAY PLANNERS—Members of the Armed Forces Day Committee are shown as they meet to firm up final plans for Armed Forces Day to be held on Saturday, May 17. Committee members (seated l. to r.) are: Eugene Rutkowski, Weapons Development; Marcus Laevsky, Engineering; 1st Lt. Don Milone and 1st Lt. Verner Pedersen, Marine Barracks; Cdr. Seldon May, GMU-61; LCdr. Ray

Bradshaw, Experimental Office, Acting Committee Chairman for Cdr. W. J. Moran; Cdr. Sid Brooks, Test; LCdr. R. S. (Skeet) Eaton, VX-5; Betty Campbell, P&E; Lt. Charlie Neuneker, Medical; and Lt. Don Tesch, Supply. Standing (l. to r.) are: 1st/Sgt. Alvin Hinton, MCGMTU; Budd Gott, Rocketeer; Ens. Don Ford, Public Works; and M. B. Sorge, Central Staff.

School Bond Election Set Next Tuesday

The strong support of NOTS voters will be needed to win the special high school bond issue election to be held next Tuesday, May 6, in the Burroughs High School and Groves Street School cafeteriums from 7 a.m. to 7 p.m.

All registered voters residing on the Station are eligible to vote in this special election and are urged to do so. Residents living in precincts 1, 2, 3, and 5 will vote in Burroughs Cafeteria and the remainder of Station residents will vote in Groves Street School Cafeteria.

The boundary line of precincts 1, 2, 3, and 5 include all residents living north of Halsey Ave. and Sara-toga; the area on Bard, Byrnes and Ellis Streets between Parsons Road and Lauritsen; and the area between Lauritsen and Richmond Road as far south as Independence St.

Educational Costs May Be Deducted

The Internal Revenue Service has recently issued new regulations under the Internal Revenue Code, 1954. The new regulations permit certain educational expenses of Federal employees to be treated as deductible items on their Federal income tax returns.

The new regulations are retroactively effective to cover the tax year 1954. Claims for refund for the tax year 1954 were accepted if submitted before April 15, 1958, however, claims for refund for subsequent tax years must be filed within three years after the returns for the particular tax year involved are due.

Questions concerning application of this tax ruling on educational expenses should be submitted to an appropriate District Director's office of the Internal Revenue Service.

Patent Officials Due Aboard Next Week

Captain George N. Robillard, USN, assistant Chief of ONR for Patents, and G. D. "Jerry" O'Brien, Patent Counsel for the Bureau of Ordnance will visit the Station next Wednesday and Thursday, May 7 and 8, to review the work of the Patent Division.

Throughout his Naval career, Capt. Robillard has served as Patent Counsel for the Department of Defense and as the U. S. Representative on the NATO Technical Property Committees and Patent Advisor to the Ambassador to NATO.

In this latter assignment, he played a major role in formulating the policy for the Bilateral Mutual Information Exchange agreements now in effect between some of the NATO countries. This is his second tour of duty in his present assignment.

Capt. Robillard lectures in patent law at George Washington University, Washington, D. C., and has written several articles on the subject of patent law including "Are We Stifling Our Inventors?" which appeared in the Saturday Evening Post of June 9, 1951.

In addition, he is a graduate of the U. S. Naval Academy and St. Johns University, and a member of the Bar of the State of New York, the U. S. Supreme Court, and the Court of Customs and Patent Appeals, and registered before the U. S. Patent Office.

Pf. Jack R. Genners, USMC, Leads Marine Barracks to New Range Record

Pf. Jack R. Genners recently lead the Marine Barracks to a new high in both individual and organizational rifle marksmanship. Genners fired a score of 242 out of a possible 250 to establish a new range record. At the same time, 92 other Marines of the barracks were qualifying to set a new Marine Barracks' record of 97.8 per cent qualification — the highest ever fired on the China Lake range.

Genners proved the old adage (Continued on Page 4)

NOTS Armed Forces Day Committee Sets Plans for Armed Forces Show

Preliminary plans have been drawn up for this year's Armed Forces Day, scheduled to take place on Saturday, May 17, on the Station. Once a year at China Lake, the gates are opened to the public enabling them to see some of the real values of their tax dollar while witnessing the latest in NOTS rocket and missile advancements.

Commander W. J. Moran, Station Experimental Officer, is heading this year's Armed Forces Day Committee which includes representatives from each of the Station's departments and attached activities.

Other displays in Hanger 1 will include TID prepared exhibits of Weapon Development Cycles at NOTS, a miniature SNORT Truck, Sidewinder, Mighty Mouse, Zuni, and others. Also in the hangar will be static displays of VX-5 aircraft, an AD5 "Skyraider," and F4-E "Fury," and an A4D "Skyhawk."

The Marine Guided Missile Test Unit will have, adjacent to Hangar 1, static displays of the Corps' Medium Antiaircraft Weapons which will include twin missile carriers, missile launchers, and dummy Terrier missiles.

A parade of the colors by the China Lake CAP Cadet Squadron 84 will precede the opening of the Air Show at NAF at 10:30 a.m. The aerial demonstrations will include aerial fly-bys by NAF, VX-5, and GMU-61, as well as later demonstrations of rocket firing and loft bombing techniques. A helicopter rescue will also be featured in the air show.

Highlights of the day will include the firing of the guided missile Sidewinder in a demonstration of the deadly accuracy of the NOTS' developed weapon. A jet fighter will concentrate his attack on a small flare attached to the extreme wing tip of a pilotless drone. Special smoking explosives are being prepared to ignite when Sidewinder hits its mark, thus enabling the public to observe the hit with more clarity. This will be the first wing-tip targetry presentation to be shown to the public.

Youth RAFT Club Holds Open House

The ribbon-cutting ceremony at 7 p.m. tonight will officially mark the opening of the Station's new youth center, the RAFT (Recreation and Fun Time) Club. Officially will be Captain W. W. Hollister, Commanding Officer, and Captain F. A. Chenault, Executive Officer.

Open house will be held for parents of eligible members until 8:30 p.m. followed by a party night for all Burroughs High School students and servicemen under the age of 21.

Following the opening ceremonies, Wayne Crist of the Pasadena Kiwanis Club will present a program featuring the "Search for Talent" contest winners.

Servicemen will be required to show their invitations and high school students must show their activity cards to be admitted to the 8:30 p.m. dance. Music will be furnished by the "Pastels," a local dance band.

Following tonight's opening, the center will be open daily from 2 to 10:30 p.m. On dance nights or special occasions the closing time will be 11:30 p.m.

Parking for private vehicles at NAF will be extremely limited and the buses will be given preferential routing to and from NAF. Buses will be unloaded and loaded adjacent.



FROM THE FILE

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

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8th Science Student Reports Lab Study

X-ray diffraction analysis of crystal structures and lattice patterns sounds complicated to many people, and even Sandra Witt, Burroughs High School senior studying the subject in Michelson Laboratory at NOTS under the high school station "work experience" program, admits that she is often confused.

"But," she hastens to say, "my supervisor is patient and explains the processes so that I understand them quite well."

Dr. John Bryden, a well-known crystallographer, has only praise for the study-research program promoted by the NOTS chapter of the American Research Society and John A. Donnan, chemistry instructor at Burroughs. Dr. Bryden and the other supervisors suggest a problem to the nine students and, he states, "they go ahead, study, work and figure it out."

Sandy, in reciprocation, points out that Dr. Bryden is a willing store of information any time she needs it.

At present she is learning to program the IBM electronic data processing machine.

She is also learning the necessity of concentrated and specialized study. "One day I worked four hours on one simple concept before I saw any results," she stated. Along this same line Dr. Bryden points out that students can learn anything as long as they are interested, and that interest comes from "enthusiasm."

Community Council Reports

A report from a Credit Union official concerning the need for adequate quarters, an appeal from the China Lake schools for support in the coming school bond election, and a progress report on the benefit program for the Desert Area Family Service occupied the attention of the Community Council Directors at the April 22 meeting.

Barbershop Harmony Benefit for an eventual student body of 1500.

However, if the measure is defeated, the new school will be filled to 130 per cent of capacity on opening day and will be without a cafeteria, physical education and athletic facilities, and separate study halls. Incredible as it may seem, the reduced budget would not provide the air conditioning which most desert residents take for granted in their homes.

The directors agreed that the school bond issue is a matter of profound importance to all residents of Indian Wells Valley, and the Council urges all registered voters to go to the polls for the May 6 election.

Job Opportunities

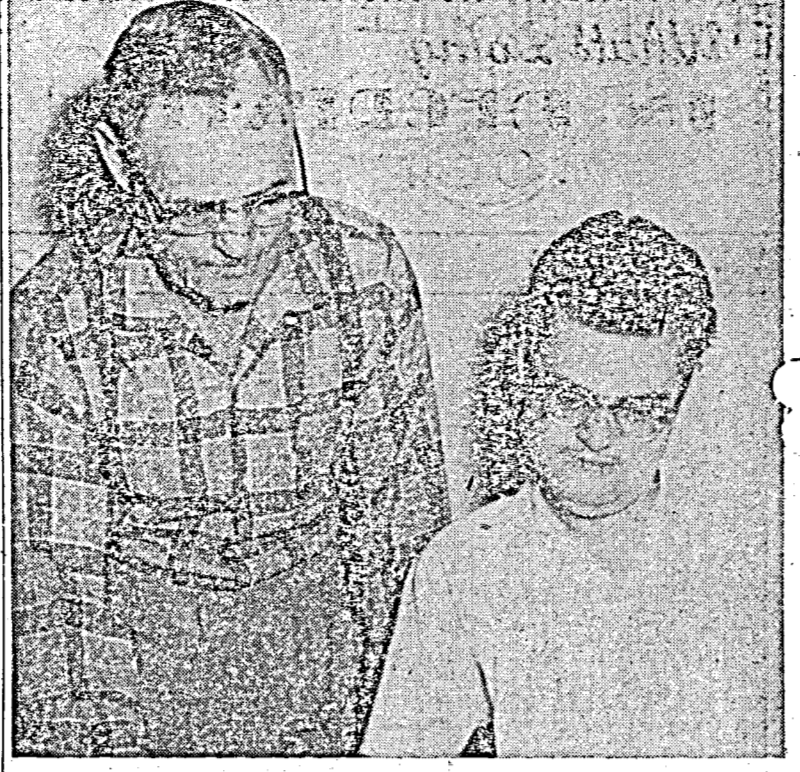
Math Aids (WAE) GS-2, 3, 4, and 5. These positions are located in Data Reduction Branch, Aircraft Projects Division, Aviation Ordnance Department. These positions will be on a When-Actually-Employed basis; the employee may work no more than one week and up to 40 hours other weeks.

Duties will include: reduction of data from both optical and electronic instrumentation. Persons with competitive status will be given preference. For further information, contact Joan Klaus, Ext. 71471.

Secretary GS-5. The position is secretary to the Head of Technical Information Department. The incumbent must compose, review, control and prepare correspondence; must have personal and telephone contact with others.

Short-hand is preferred, however, transcribing from a dictaphone is acceptable. Must set up and maintain files and records. Contact Nola Williams, Ext. 71393 or 71643.

Supervisory General Engineer, GS-13. To head the Servomechanics Branch, Electro-Mechanical Engineering Division, Engineering Department. The position duties are to accomplish engineering design and production engineering of fuses, servomechanisms and inertial devices for weapon and fire control systems, as well as the administration of the Branch. A strong background in servos is desired. Call Nola Williams, Ext. 71393.



RETIREMENT PLANS—Bill Mitchell, Sr., on the completion of 40 years of Civil Service, discusses retirement plans with his son, Bill Jr.

Public Works' William J. Mitchell Retires After Forty Years of Civil Service Work

William J. Mitchell, better known as Bill Sr., retired last Friday with almost 40 years civilian service with the Navy. This record is believed to be the longest of any employee retiring from the Station.

His 40 years of civilian service was started in 1918 at the Puget Sound Naval Shipyard as a Helper Machinist. He transferred to Keyport Washington Naval Torpedo Station in 1940 as a Driller, then to Bremerton Naval Shipyards as a Machinist. From 1945 to the present time he has worked in the Public Works Department.

His employment record here at NOTS has proved his ability and value to that Department. He held a Machinist rate to May 1946 when he was promoted to Leadingman Machinist, then to Quarterman Machinist in 1948; a position which he held until his appointment to Quarterman Transportation in November 1952. He served in this capacity until November 1953 when he assumed the duties of Quarterman Heating Plant Operator. In this capacity he was responsible for providing water, steam, and sewage disposal for the entire community—vital functions to any community.

When asked for interesting highlights about his employment, Mitchell related the story of how he happened to come to NOTS. He had just completed an eight room house

in Bremerton when the Industrial Officer told him that he had arthritis and should seek a drier climate—and that is why he came to the desert.

When his family first saw our desert, their comment was "There is certainly a lot of nothing."

Bill Sr. tells of arriving at the Station to find no housing—and his household of furniture on its way. After many trips to talk with Housing he convinced them that he should move into an unfinished "old-duplex." Unfinished meant no hot water, no air conditioning, and no finish work completed on the inside.

He says that hot water was no problem—the cold water lines were always hot—but they really sweated it out without an air conditioner.

The Mitchells have lived at 3095 Entwistle during their entire tip on the Station. They have seen Station grow from a sand-trap to a modern community of lawns and trees.

Verma and Billy Sr. have three sons—one in the Army, one residing in Honolulu and Bill Jr. who has been a Station employee since August 1945. Bill Jr. started as a Clerk Typist, CAF-2, and is now a GS-5 Supervisory Cost Accounting Clerk with the Transportation Division.

The Mitchells have bought a home in Porterville, and Bill Jr. plans on joining them shortly, at which time he will open his own Model-Hobby Shop.

Superintendent's Notes

By Dr. EARL MURRAY, Superintendent of China Lake Schools

The \$9,000,000 bond issue election which is being held by the Kern County Union High School and Junior College District on May 6, 1958 is extremely important to Burroughs High School. While we are getting a sizeable sum from the U. S. Office of Education, with which to build the first increment of the new Burroughs High School, it is insufficient to take care of the total number of students.

The reason for this is that the amount of money furnished by the U. S. Office of Education is based upon the number of federally connected high school students in the area. This amounts to approximately 2/3 of the present student body and allows nothing for future expansion.

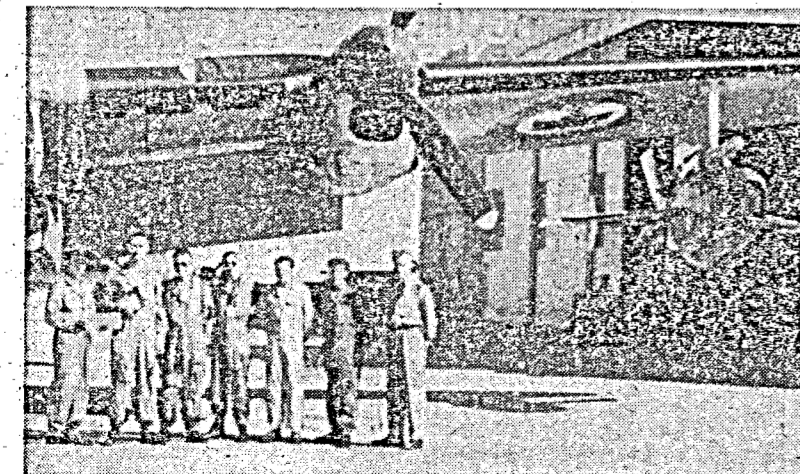
The Kern County Union H. S. District is planning in this bond issue to provide for an ultimate high school of 1500 students. Because of this and since certain facilities must be constructed with this in mind, there will be an insufficient number of class rooms, and certain needed facilities to make a complete school plant will have to be omitted.

The bond issue carries a \$1,284,000 for the completion of the Burroughs High School plant. This will include the following facilities: 12 class rooms including a photo-

graphy laboratory, 1 cafeteria which can be used as an assembly room and for class dances and parties, 1 study hall, 1 girls' physical education locker room, a gymnasium for both boys and girls and adequate athletic and physical education facilities.

The federal money which will be used to build the first increment of the Burroughs High School will give us only 27 pupil stations including 17 class rooms and laboratories with good facilities for economics, music, shop, mechanical drawing and art. The library will have to be used not only as a library but also as a study hall and for lunch purposes. The present Burroughs plant has 29 pupil stations.

Should this bond issue fail, it is obvious that the first school in the Kern County Union H. S. District to be on double sessions will be Burroughs High School.



CANADIANS TEST FIREBEE—A 7-member party of Royal Canadian Air Force personnel under the leadership of Flight Lt. Henry visited NAF this week for an evaluation of their modified Lancaster Bomber and familiarization of their crew with the Ryan Firebee KDA-1 Drone.

What's Doing IN RECREATION

By Jean Cone, Recreation Director

The gala opening of the RAFT Club youth center is being held tonight. This well-planned evening of entertainment, dancing, and opening ceremonies will set the pace for the vigorous program ahead.

This will also be an opportunity of having the fun of attending a well-run, happy party for teenagers. We are sure the parents and commanding officers will consider it a privilege to attend this opening to see young people in action and to know what is going on in this area of our teenagers' lives.

Interest in that favorite summer sport, swimming, has zoomed with the recent pleasant weather. This has been reflected in the numerous requests we've received for swimming pool hours.

Station Swimming Pool
 The Station swimming pool at the Gym is open to the public every Friday, Saturday, and Sunday from 12:30 p.m. to 9 p.m. Approximately June 6, the pool will be open daily during these hours. The snack bar is now operating in the patio by the pool on Fridays through Sundays from 1 to 6 p.m. Hamburgers and drinks are available.

All Station personnel are authorized to use this pool. Children 12 years and under must be accompanied by their parents. There is no admission charge and qualified lifeguards are on duty.

Las Vegas Hellsdorado and Rodeo
 The 24th Annual Las Vegas Elks Hellsdorado and Rodeo will take place on May 16, 17, and 18. The festivities will include a Kangaroo Kort, Old Timers Parade, Beauty Parade, Kiddle Parade, Whiskerino, Barbecue, Hellsdorado Village, Dance, and Queen contest. Top rodeo entertainment is promised as cowboys from all over the country will compete in seven championship events.

Kern County Spring Festival
 Kern County for the twelfth time has scheduled its annual spring festival. It started on April 26 and will continue through May 18. Spring festival will feature an art festival May 3-18, song and dance festival, May 8, student's free Philharmonic concert, May 11, Kern Philharmonic Concert, May 12, and the Chamber music festival on May 18. All programs except Kern Philharmonic are admission free.

Ping Pong Club
 The China Lake Ping Pong Club will meet on Thursday, May 8, from 7 to 10 p.m. in the Anchorage. All Station men and women interested in joining are invited to attend. For further information contact Phillip Sprinkle, Ext. 71552.

Quarter Midget Races
 China Lake was represented in the Quarter Midget cars and drivers at the Junior Stampede in Lone Pine last month. A return invitation has been extended for another Big Stampede and race at the Lone Pine Airport on Saturday, May 10.

Members of the Desert Empire Quarter Midget Racing Association have announced the next race on the China Lake track will be in the evening under the new lights on Saturday, May 3, at 7:30 p.m. For further information call Bill Moore, Ext. 721300.

SHOWBOAT

Matinee Sat. and Sun - 1 p.m.
 Evening 6 and 9 p.m. daily

TODAY MAY 2
 "TEN THOUSAND BEDROOMS" (112 Min.)
 Dean Martin; Anna Maria Alberghetti (No synopsis available).

SAT. MAY 3
 MATINEE
 "KILLER APE" (68 Min.)
 Johnny Weissmuller (No synopsis available).
 SHORTS: "Grizzly Gopher" (7 Min.)
 "Green Archer" Chapter No. 9 (19 Min.)

EVENING
 "COLE YOUNGER, GUNFIGHTER" (79 Min.)
 Frank Lovejoy, Abby Dalton (No synopsis available).
 SHORTS: "Springtime for Clobber" (7 Min.)
 "A Star Is Shorn" (17 Min.)

SUN.-MON. MAY 4-5
 "UNDERWATER BARRIER" (91 Min.)
 Don Dailey, Claire Kelly
 Non-swimmer joins UDT group experimenting with new aqualling and sub escape hatch. Fighting in Korea and a jet plane sinking lead to suspense.
 SHORTS: "Vanishing Duck" (7 Min.)
 "Harlem Magicians" (10 Min.)

TUES.-WED. MAY 6-7
 "COWBOY" (94 Min.)
 Glenn Ford, Jack Lemmon, Anna Hashfi
 Splendid realistic picture of a cowboy's life in the old days, with Jack Lemmon as the tenderfoot on a drive headed by Glenn Ford. One of the best western action features ever produced.
 SHORTS: "Magoo's Young Manhood" (7 Min.)
 "Droopy's Good Deed" (7 Min.)

THURS.-FRI. MAY 8-9
 "PARIS HOLIDAY" (100 Min.)
 Bob Hope, Fernandel, Anita Ekberg (No synopsis available).
 SHORTS: "Grateful Gus" (7 Min.)

Coming Space Film Subjects Announced

Space Technology films shown weekly in the Station Theatre on Friday afternoons during the scheduled 17-week series start at 1 p.m. Titles of today's showing were listed in last week's Rocketeer.

Subjects for next week's program are: "Propulsion - Rocket Fundamentals" by Howard Seifert of Ramo-Woolridge Corporation, and "Propulsion - Liquid Rocket Engines" by George P. Sutton, Rocketdyne Division of North American Aviation.

Dr. Seifert will discuss the momentum theorem and the calculation of thrust and mass flow from fluid properties. He will define certain design parameters and give typical numerical examples. Typical propellant chemicals, solid and liquid, and their performance advantages and disadvantages will be discussed.

Mr. Sutton will consider the basic components for liquid rocket engines; the feed system, injector, chamber, and nozzle. He will discuss the problems of heat transfer, injector design, control and combustion stability, and will give examples of developed items.

The demands of space travel on liquid engines will be described including ranges of parameters P, T, c, fixture ratio, expansion ratio, and density. Probable ultimate future limits of liquid engines and operational and logistic problems will also be covered.

News from Pasadena

Awardee



RECEIVES AWARD—Herbert C. Wade has received a beneficial suggestion award of \$365 for a depth charge recovery device. The suggestion results in savings of \$23,000. Wade is employed in the range branch of Systems Operations Division.

Arizona Film Set for Wed.

"Arizona, Land of Color," will be the movie featured at the noon-time entertainment program on Wednesday, May 7.

The following week, on May 14, a film featuring motoring in Mexico will be shown.

Noon-time programs are presented weekly, on Wednesdays, 12-12:30 p.m. in the Building 7 conference room.

The program this week is through the courtesy of Standard Oil Company. Arrangements were made by Fred Eaton, program chairman.

O. Alley Leaving To Join Engr. Co.

Oria Alley, secretary at the Annex for the past ten years, is leaving today. She will accept a secretarial-bookkeeping position with an East Los Angeles engineering firm.

During her tenure here, she has worked in several divisions, most recently with the simulation branch of Guidance and Control. Previously, she was with the publications group of Product Engineering Division.

Two Are Promoted

In Administration Division, Patricia E. Williams has been promoted from clerk (typist), GS-4, to clerk (typing), GS-5.

Howard R. Talkington, Systems Operations Division, UOD, has been promoted from bomb design engineer, GS-12, to supervisory general engineer, GS-13.

Employee-Management Council Schedule May All-Hands Meets At Foothill, Long Beach, M. D.

Employee problems will be up for discussion next week at a series of all-hands meetings sponsored by the employee-management council. Lcdr. W. H. Robinson, Jr., Officer in Charge; Douglas J. Wilcox, Head, Underwater Ordnance Department; E. J. Jones, Jr., Deputy for Administration; and Fred Nathan, Head, Personnel Division, will attend all meetings.

Leo Brennan, EMCO president, has announced the following schedule for the meetings.

Wednesday
 On May 7, meetings will be held at Foothill in the Building 7 conference room, as follows:

Time	Codes	Chairman
8:15 a.m.	P55, P19, P754, P659, P9506, P309, P4509, P17621, P1914.	Roman Curtis
9:15 a.m.	P804, P808 (except P8084 at MD and LB)	Joe Blackington
10:45 a.m.	P256, P17611, P25613, P258	Les Hildreth
12:45 p.m.	P809, P7523	Herb Seymour
1:45 p.m.	P802, P80, P801, P129, P807	Frank Masterson
2:45 p.m.	P709, P7091, P7092 at FH, P7093, P7094, P7095, P7096	Mickey Calvano

Thursday
 On May 8, meetings will be held at Morris Dam in the Torpedo Shop and at Long Beach in Building 059, as follows:

10:15 a.m.	Morris Dam	Dave Hunt
2:30 p.m.	Long Beach	Harold Jensen

The office of E. J. Jones, Jr., Deputy for Administration, P1901, is temporarily located in Building 5, Room 5BB2. Mail Station 3, Phone Extension 172, until such time as alterations are completed on Building 9—approximately two weeks.

Carney Brewer, Presentations Coordinator, P1903, is now in Building 4, Room 4J. Mail Station 10, Phone Extension 283.

The office of the Presentations Coordinator handles such matters as presentations for visitors, office and storage space, office furniture requirements, public relations including speeches by NOTS Pasadena personnel and publicity.

Annex Vacancies

Contract Specialist (General), GS-9. Position is located in Supply Department, Purchase Division. Duties include contract negotiation, administration, and termination and technical liaison to departments served.

Interested persons contact Dorothy Seaman, Extension 103.

OinC, Deputy for Adm. Deliver Welcoming Address at NFFE State Convention

LCdr. W. H. Robinson, Jr., Officer in Charge, and E. J. Jones, Jr., Deputy for Administration, were among the principal speakers at opening ceremonies last Friday of the Twenty-Fourth Annual Convention of the California State Federation of Federal Employees Unions held in Pasadena.

"NFFE has been active in improving civil service for many years—has been responsible for many significant improvements now taken for granted," Lcdr. Robinson said. "NOTS appreciates NFFE's work and has as its goal many of the same objectives."

NOTS' prime resource is its personnel whose skills and dedicated effort have resulted in such significant, weapon achievements as SIDEWINDER and RAT. Lcdr. Robinson said. Today's challenge is to retain in government service these employees who contribute so much to the nation's strength and welfare.

"There are many improvements to be made within the basic framework of civil service—pay, scholarships, retirements, and prestige of public employment," he said. "Working together, we hope to do much to further improve the working conditions of all federal employees."

E. J. Jones complimented NFFE for their leadership in improving citizens' understanding of the work of the federal government and its employees, and invited employee groups to join with management in encouraging civil servants to act as informal public relations specialists in their own communities.

He went on to call attention to the need for a dynamic and flexible civil service to meet the problems of the second half of the 20th century.

Hosting the State convention was NFFE Local 1101. The convention committee was headed by David G. Hunt, president of Local 1101 and a NOTS employee.

Others who spoke at the ceremonies were Governor Goodwin J. Knight; Mrs. Phyllis Mohl, recently chosen "Miss Federal Secretary;" and Col. J. E. Johnston, Commanding Officer of the Los Angeles Army Ordnance District, Pasadena.

H. Smith Speaks To Instrument Society

Speaking on "Instrumentation and Equipment Reliability," H. A. P. Smith on April 24 addressed 73 members of the Pasadena City College Chapter of the Instrument Society of America.

Pointing out the tremendous advances in instrumentation since World War II, Smith's speech led up to the instrumentation required for the development testing of the Navy's Rocket Assisted Torpedo (RAT).

Film clippings of RAT were shown and discussed.

Smith is an electronic scientist in the laboratory branch of UOD's Systems Operations Division.

At the program also was Arnold Goldman, also of the laboratory branch, who commented in general on the facilities and programs of NOTS.

Pasa. Military Join Efforts For AF Day

Rather than holding an Armed Forces Day celebration at Morris Dam this year, NOTS Pasadena will participate in a combined military Armed Forces Day to be held at Victory Park on May 17, according to Lcdr. W. H. Robinson, Jr., Officer in Charge.

Captain Russell S. Soehner, USMC, of the Naval Reserve Training Center, Pasadena, has been named Project Officer in charge of the combined military event.

In addition to naval exhibits and personnel provided by NOTS, according to Capt. Soehner, exhibits and demonstrations will be provided by the Army, Marine Corps, Air Force, National Guard, Civil Defense units, and many others.

Carney Brewer, Presentations Coordinator, has been appointed to coordinate NOTS Pasadena activities in the event.

Locations Given For P1901, P1903

The office of E. J. Jones, Jr., Deputy for Administration, P1901, is temporarily located in Building 5, Room 5BB2. Mail Station 3, Phone Extension 172, until such time as alterations are completed on Building 9—approximately two weeks.

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