

Navy Air Power Marks Its Fiftieth Anniversary

As early as 1898 Theodore Roosevelt, then Assistant Secretary of the Navy, proposed that the Secretary appoint a team of officers to examine a working model of Prof. Samuel P. Langley's flying machine and submit recommendations as to its practicability.

This request marked the first speculation upon the role of aircraft in war. The Navy, however, was hesitant and instead delegated Capt. W. I. Chambers to keep himself informed of all activity in that particular field and answer all aviation correspondence.

Planes built along the lines of the Navy that air strategy was eminent. The Navy immediately established a flight-training camp at Greenbury Point near Annapolis, Maryland.

First Navy Aircraft

The red letter day came on May 6, 1911, when the Navy purchased its first aircraft and set out to prove that the airplane would eventually doom entire classes of powerful surface ships.

The following year, the Marine Corps became interested in aviation and Marines began reporting for flight training. The old Pensacola Navy Yard later became the Naval Aeronautic Station where thousands of young men were destined to train as Naval Air Cadets. The naval air wing demonstrated its worth in World War I.

BuAer Founded

The Roaring Twenties brought organizational changes in naval aviation. The Bureau of Aeronautics blossomed forth in 1921 and the post of Assistant Secretary of the Navy for Air was created in 1926. These were also the years for emphasis on carrier aircraft development. A basic need for fighter and torpedo planes was seen while experiments with dive bombers were also conducted.

By the beginning of World War II the Navy had acquired a wealth of experience in operating aircraft at sea. Young naval aviators achieved peak success in World War II aerial combat.

Jet aircraft and helicopters were introduced in the post-war period and great advances in all associated areas of aviation were made.

Another new era was born as guided missiles became operational in 1954. Significant advances in the steam catapult, angle-deck conversions, and mirror-landing system made it imperative to adapt existing carriers to handle faster and heavier aircraft and necessitated increased safety and operational flexibility.

A relatively few years have seen the realization of jet propulsion, supersonic speed, guided missiles

and other weapons of awesome destruction capability, and the extension of man into space.

The Navy stands on this threshold to a new future confident that its air arm will hold its proper place as an integral, dynamic, and effective element of United States sea power.

Babe Ruth League Plans 1961 Season

A schedule of activities for the coming year, including tentative plans for a kick-off meeting on April 16 and Opening Day events on Armed Forces Day, was approved by the Board of Directors of the China Lake Babe Ruth League at a meeting on Thursday, February 2.

Appointment of chairmen to the following key committees was approved by the Board: Equipment and Purchasing Committee, Charles C. Martin; Players Agent, Joseph H. Hibbs; Official Scorer and Announcer, Irwin L. Shull, and Director of Public Relations, C. El Van Hagan.

The Programs Committee and the Women's Auxiliary are still without chairmen. These two important committees play a major part in the success of the Babe Ruth League, stated LCDR. L. H. Lippincott, League president, who is hoping to obtain the help of enthusiastic chairmen.

A need for team sponsors was emphasized as the Board considered the financial outlook. Among items covered by the sponsors' support are insurance, uniforms, replacements, registrations, and trophies.

The cost of operating the BRL continues to go up, and the Board will be looking for sponsors in the next few weeks.

According to the tentative schedule accepted by the Board, league play is set to start Monday, June 12 and end Friday, July 21. Try-outs are planned for Saturday, May 6.

LCDR. Lippincott announced that the following managers have been selected: Frank Barney, Cardinals; Raoul Landry, Reds; Edwin Hogue, Cubs, and Grover Colladay, Tigers.

Final plans for the year will be confirmed at the next general BRL meeting to be held in the Community Center Monday, February 20, at 7:30 p.m.

Public Law Grants Disabled Veterans New Compensation

Disabled veterans are advised that recently-enacted Public Law 86-663 establishes a new rate of monthly compensation of \$265 for wartime disabilities and \$212 for peacetime disabilities. There may also be additional allowance for dependents.

The two types of disabled veterans covered by the law are:

- Veterans with a total service-connected disability and having additional service-connected disability rated at 60 per cent or more;
- Veterans who, by reason of service-connected disability, are permanently housebound.

A person is considered housebound when he is substantially confined to the immediate premises, or to his clinical area if he is in an institution. He may be able to make short excursions and still be considered housebound.

The Veterans Administration is making a general review to identify those veterans potentially eligible for the additional compensation. However, anyone wishing to investigate their possible eligibility may request assistance from Juanita Cox, Veterans Service Officer, at 236 W. Ridgecrest Blvd., Ext. 8-3231.

Supervisor's Local Elect Delegate for Annual Convention

Members of Local No. 23 have selected their president, William C. Danley, to represent them at the annual convention of the National Association of Supervisors to be held in Washington, D. C. next week. Part of the agenda to be discussed during the five day conference is of interest to all Civil Service employees concerning legislation permitting employees with thirty years of service to retire at full pension.

It is the Association's view that young people do not have as much opportunity to advance because of the present Civil Service retirement regulations. If the thirty-year bill were passed, thousands of federal employees would retire thus paving the way for advancement and creating more jobs for younger persons.

While in Washington, Danley plans to meet with Congressman Marlan Hagen.

Little League Managers Sought for AAA Teams

Persons interested in managing AAA teams during the 1961 baseball season of the China Lake Little League are requested to contact Al Flood at his residence, 326 Toroy at 7:30 p.m. Thursday, February 16. Previous experience is not required.

NOTS Begins JP Recruitment Drive

The Station's college recruitment program moved into high gear this week with the first technical representative leaving for campus interview schedules.

R. C. Nelligan, Ass't. Head of the Employment Division in the Personnel and Community Relations Department states that a current analysis of the Station's requirements for junior scientific and management intern appointees forecasts a sharply reduced demand as compared with 177 graduates employed last year.

Interviews with junior scientists and engineers will be conducted by the following China Lake representatives: R. L. Forrester, O. E. Heimdahl, R. T. Carlisle, E. L. Dunn, G. E. Blackshaw, J. J. Campbell, R. W. Murphy, Earl Love, A. G. Hoyem, P. C. Driver, N. E. Ward, R. J. Grasley, R. W. Van Aken, R. M. Nelson, M. V. Adamson and R. C. Nelligan.

Pasadena representatives appointed to conduct recruitment interviews are J. Jennison, D. Kunz, D. Veronda, J. Green, R. Heller, H. Summers, K. Smith, J. Sandy, W. White, J. Rowe, L. Maudlin, B. Allen, H. Wolfe, C. Beatty and A. Tickner.

The representatives indicated below will not necessarily be in the area simultaneously. Their schedules will vary and trips are scheduled over a seven week period. Technical representatives will, in some instances, conduct interviews as a team or individually; recruiting conversely for either the China Lake or Pasadena areas.

Forrester-Jennison
Reed College, Portland State, Univ. of Oregon, Oregon State.
Heimdahl-Beatty
Carlisle-Wolfe
Univ. of So. Calif., Univ. of Calif. at Riverside and Los Angeles, and CalTech.

FIRST TIME WINNER — "I have never won anything before in my life" exclaimed Alice Dubin, winner of this year's theme contest for the Wildflower Show set for April 22-23. Her entry "Behold! The Desert" entitled her to one year free subscription to Sunset Magazine. Three out-of-state entries were included in the total 78 received.

Dr. Von Huene ...

(Continued from Page 1) and to instrumentation problems concerned with missile testing at NOTS ranges and the sea range at San Clemente Island.

Recently installed officers of the local ASCE group are: Irwin L. Shull, president; Wells Abbott, vice president; and Wendell Allison, secretary-treasurer. Chairmen are: John Cox, program; Hal Harney, public relations; Cdr. J. W. Gorman, membership; and Martin Niljus, hospitality.

Other interested persons may attend if reservations are submitted to John Cox not later than Monday, February 13.



INSPECTS VX-5 BOMB RACK—RADM. Dean Black (center) is shown following an inspection of the VX-5 designed FJ-4B bomb rack during his visit here this week. He witnessed a demonstration of the rack in use at Charlie Range. Others (l-r) are Cdr. Bob Kuntz, Capt. W. W. Hollister, and Cdr. C. L. (Pappy) Wilson. Admiral Black is Deputy Commander, Field Command, Defense Atomic Support Agency, Sandia Base, Albuquerque, N. M.

SPIE HOSTS PHOTOGRAPHY STUDENTS—The China Lake Chapter of the Society of Photographic Instrumentation Engineers served as hosts and tour guides for 200 Burroughs High School photography students this week. Wesley Lambert of Code 3063 points out an M-45 tracking camera mount to Burroughs High photo instructor Charles Vollmer and his students. Others who assisted as guides for a tour of photo processing at Mich Lab, a tour of the ranges, and visiting the optical instrumentation line, were George Silberberg, Steve Lee, and Dave Bulgarelli. This is the second year the local SPIE Chapter has sponsored a tour for the Burroughs students. The chapter was formed in 1957 and numbers 30 members. George Silberberg is the chapter's president.



If you are too big to willingly do little things, you are probably too little to be trusted with big things.

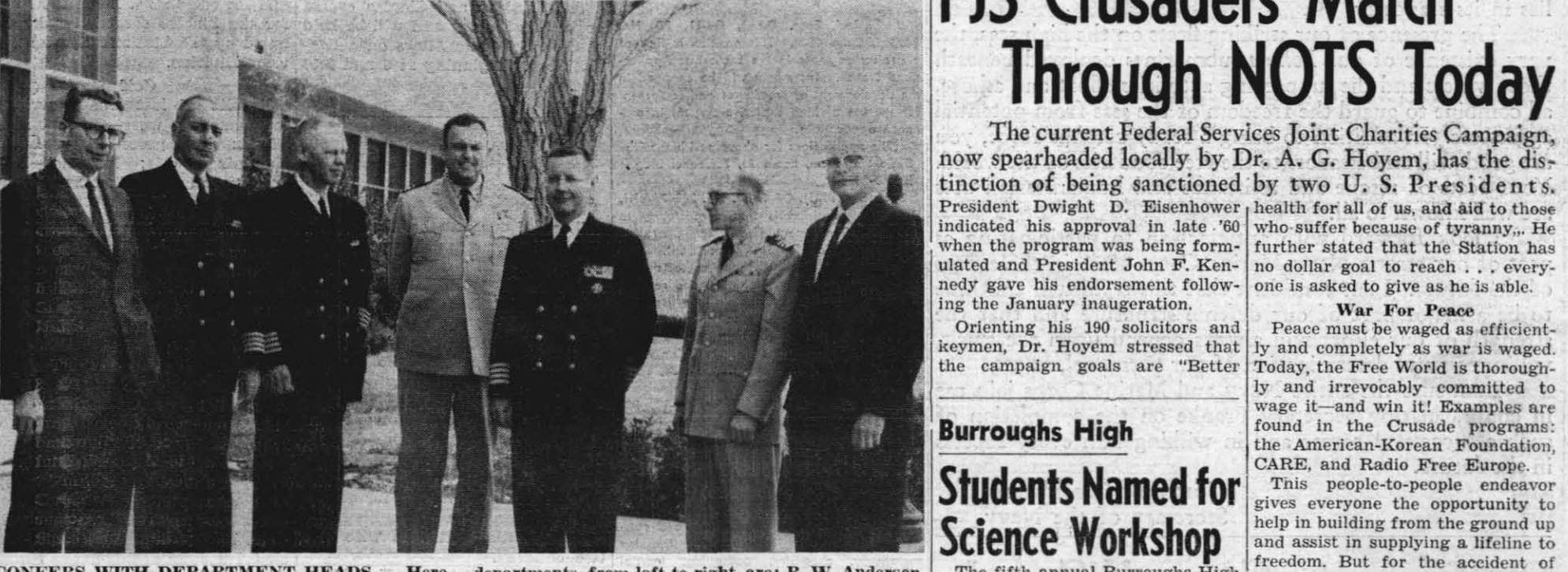
TEMPERATURES

Max. Min.
Feb. 3 ... 63 31
Feb. 4 ... 68 38
Feb. 5 ... 67 43
Feb. 6 ... 59 33
Feb. 7 ... 62 36
Feb. 8 ... 65 39
Feb. 9 ... 66 38

Budd Gott, Editor Office, Housing Bldg., Top Deck Phones 7-1354, 7-2082, 7-1655

Vol. XVII, No. 6 U. S. Naval Ordnance Test Station, China Lake, California Friday, February 10, 1961

Naval Propellant Plant Commanding Officer Visits



CONFERS WITH DEPARTMENT HEADS — Here last Thursday to discuss support department functions with NOTS personnel was Capt. O. A. Wesche, Commanding Officer of the Naval Propellant Plant, Indian Head, Maryland, fifth from left. NOTS personnel who briefed Capt. Wesche on their respective departments, from left to right, are: R. W. Anderson, Head, Personnel and Community Relations; Capt. T. J. DuMont, Public Works Officer; Capt. J. A. Quensé, Station Executive Officer; Cdr. C. H. Seiden, Head, Command Admin.; Cdr. B. S. Gantz, Assoc. Dir. of Supply; and R. W. Bjorklund, Head Central Staff.

Two NOTS Employees Present Papers At National Level Plastic Symposiums

Two China Lake men, both employees in the Materials Engineering Branch of Engineering Department, co-authored and recently presented papers at nationwide symposiums on plastics.

RAOUL J. LANDRY, materials engineer (plastics), made his presentation to approximately 600 plastics engineers at the 17th Annual Technical Conference (ANTEC) of the Society of Plastics Engineers, Inc. held in the Shoreham and Sheraton Park Hotels in Washington, D. C. on Wednesday, January 25.

Landry's technical paper "Inorganic-Organic High Polymers, Phenoxaldehyde Resins of Titanium (IV), Zirconium (IV), and Hafnium (IV)" was selected among the top six out of the 100 papers presented as sufficiently newsworthy for reprint in a future issue of SPE Transactions, a publication of the Society of Plastics Engineers, Inc.

ELDER H. BARTEL, chemist (plastics) in the same branch, presented his paper last Wednesday, February 8, to the 16th Annual Conference of the Reinforced Plastics Division of the Society of Plastics Industry, Inc. at the Edgewater Beach Hotel, Chicago, Ill. The title of his presentation was: "Calorific Plastics for Use in Rocket Motors."

His paper has been preprinted in the February, 1961, issue of the 16th Annual Technical and Management Conference, Reinforced Plastic Division, published by the Society of Plastics Industry Session No. 10E.

An abstract of both papers outlines mixtures of refractory metallic oxides and resins that have been chemically combined to form a radically new series of calorific plastic materials.

The resulting inorganic polymer is converted to a refractory material on the boundary layer exposed to temperatures in excess of 4000 degrees Fahrenheit.

This work opened the field for the preparation of over 100 more possible new inorganic polymers including adhesive and elastomers. These resins can be fabricated by the conventional plastic processes as thermoplastic resins. It is anticipated many of these materials will be useful applications in home and industry.

The Engineering Department has been evaluating calorific materials for use in solid-propellant rocket motors for the past six years. Be-

Bid Let for Pop-Up Addition at SCI

NOTS Pasadena will be able to accelerate the testing of the Navy's 1500-mile-range Polaris with the addition of Increment II to the "Pop-Up" Variable Launch Facility at San Clemente Island.

Award of the contract for the new addition was announced this week by RADM. J. R. Davis, Eleventh Naval District Public Works Officer.

The winning bid was submitted by the Global Marine Exploration Co., and Ryan and Isbell of Los Angeles for the amount of \$547,430 in competition with two other firms.

The addition to the San Clemente facility will consist of camera and instrumentation towers, mooring poles, mooring chains, buoys, and mechanical equipment.

Plans and specifications were prepared by the Long Beach engineering firm of Moffat and Nichols.

NOTS Public Works Officer Capt. T. J. DuMont will serve as the Eleventh Naval District's Officer in Charge of Construction at the site.

Dr. R. Von Huene To Address ASCE

Dr. Roland Von Huene, geologist and geophysicist with the Atmospheric Physics Branch of Research Department, will be guest speaker at the February 17 dinner meeting of the Desert Area Branch of the Los Angeles Section of the American Society of Civil Engineers. A social hour will precede the 7:30 dinner at The Hideaway.

The geologic history of the Owens Valley region will be the subject of Dr. Von Huene's talk. Since 1958 he has been working on gravimetric, magnetic and geologic studies relating to ground water problems (Continued on Page 4)



WINS PROMOTION—Maj. Paul F. Curtis, Marine Barracks CO, presents Ben A. Tidwell with a certificate of appointment promoting him to the rank of Master Sergeant, E-8. A WWII veteran with over 20 years of service with the Marine Corps, Tidwell participated in the defense of Pearl Harbor, the Tinian Campaign, and served five years in the South Pacific Area. During the Korean Conflict he served with the 1st Marine Aircraft Wing.

FIS Crusaders March Through NOTS Today

The current Federal Services Joint Charities Campaign, now spearheaded locally by Dr. A. G. Hoyem, has the distinction of being sanctioned by two U. S. Presidents. President Dwight D. Eisenhower indicated his approval in late '60 when the program was being formulated and President John F. Kennedy gave his endorsement following the January inauguration.

Orienting his 190 solicitors and keymen, Dr. Hoyem stressed that the campaign goals are "Better health for all of us, and aid to those who suffer because of tyranny." He further stated that the Station has no dollar goal to reach... everyone is asked to give as he is able.

War For Peace

Peace must be waged as efficiently and completely as war is waged. Today, the Free World is thoroughly and irrevocably committed to wage it—and win it! Examples are found in the Crusade programs: the American-Korean Foundation, CARE, and Radio Free Europe.

This people-to-people endeavor gives everyone the opportunity to help in building from the ground up and assist in supplying a lifeline to freedom. But for the accident of birth, it could be you and yours waiting for deliverance from the rigors of hunger, oppression and lack of shelter. We who serve our government are asked to again show our faith in the ability of the FSJC agencies to wage the peace.

Burroughs High Students Named for Science Workshop

The fifth annual Burroughs High School Work Experience Program in science, under the direction of Burroughs physics instructor John Trent and the Research Society of America, is presently underway.

Its primary purpose is to familiarize students with the atmosphere of active science work through participation with individual or group research projects under the supervision of NOTS scientists.

Students selected must have had a "B" or better average in science and mathematics; an over-all scholastic average of "B" or better; a sincere interest in science; a desire to learn as much as possible through the program; and willingness to cooperate with school and ReSA personnel.

Once assigned, students must be faithful in attendance throughout the program, since they are essentially enrolled in a 7th class and are receiving one-half unit of credit. The students work from 2:45 until 4:30 p.m. each school day with the program terminating two weeks prior to close of school in June.

Students selected for the 1961 Work Experience program are: Karen Plain; Darold Pieper; Greg Holladay; Ronald Schoss; Len Van Essen; Gary Keatley; Pat Norris; Ted Kinghorn; Douglas Blew; David Sherlock; John Quensé; Eric Quensé; Charles Thorne; William Haseltine; and Jeff Besser.

Sponsors of students in the same order given above are: Allen Olsen; Don Moore; Dowel Martz; Bob Bracken; Dr. Thompson; Ed Price; Kirk Odencrantz; Pat Wennekens; Howard Hershey; Dr. Marguerite Rogers; J. S. Dinsmore; Olaf Heimdahl; Marvin James; Carl Heller; and Ronald Henry.

Everybody's Business

"The life you save may be your own" is a safety slogan applicable to health research. Most of the money contributed to the health agencies will be used to support research to cure and relieve dread diseases that attack the heart, the mind, and the body of man. These agencies are: Arthritis and Rheumatism Foundation, Nat'l Society For Crippled Children and Adults, American Cancer Society, American Heart Assoc., Muscular Dystrophy Assoc., Nat'l Assoc. for Retarded Children, and Multiple Sclerosis Society.

Each contributor has the right to designate to the Health cause of his choice. Undesignated monies will be apportioned to the various agencies.

Health is everybody's business—support these life saving programs.

Over There



NEW SITE — Leon Berkevsy, Capehart Project Manager for the Bateson Construction Co., points out the Site "B" area East of South Knox Rd. between Burroughs High School and Rowe St. where the first 44 duplexes of 328 duplexes will be built. Official ground breaking ceremonies are expected to take place Monday at 10 a.m. An additional 172 single family units will be constructed at Site "A" which is located between Kearsarge and the Golf Course extending from Blueridge to the Richmond School.

New Navy Secretary Greets All Personnel

One of my first official duties after taking the oath of office as Secretary of the Navy earlier today (25 January) is the pleasant one of greeting the fine men and women of the service and civilian employees who have made our Navy and Marine Corps the best in the world.

Everywhere on this troubled globe you are daily demonstrating that a key part of the free world's strength lies in its seapower.

The presence of our striking fleets on the high seas, the very existence of our *Polaris* submarines deployed beneath those waters and the supporting activities afloat and ashore, all combine to guard the freedom of the seas from potential aggressors. In addition to being a ready combat force, you are good-will ambassadors to the free countries of the world. Your feats of rescue and assistance and humanitarian acts are well known to all.

I look forward with anticipation to participating as part of our strong Navy-Marine Corps team in the events of the future. I am confident that this team will continue to be a major part of our defense structure and that the strength of our effort will always depend upon the spirit, willingness and determination of our personnel.

I am sure the entire Navy and Marine Corps join me in congratulating Secretary Franke on the completion of such a successful career and in wishing him every success in the future.

JOHN B. CONNALLY
Secretary of the Navy

Community Council Speaks

In this community, just as in other communities this size, there are growing pains. These problems affect us as citizens, and, as such, we have the opportunity and responsibility to participate in solving them.

You, the citizens, have elected a Board of Directors to the China Lake Community Council which is responsive to these community problems. With your help, these Directors hope to define existent problems, explore the best solutions, and work toward their accomplishment.

Twelve committees made up of civic-minded citizens are being organized to help you who have problems. Their function is to consider problems brought to their attention before they are presented to the Board in order to obtain full information and make recommendations for action.

The twelve committees and their chairmen are: Executive, John E. Cox; Public Relations, W. P. Mayne; Medical Services, J. G. Condos; Commercial Services, E. A. Long; Housing, Frank C. Wentink; Education, William K. Webster; Entertainment and Cultural Resources, R. Zuber; Recreation, J. Strommen; Civil Defense, Floyd Kinder; Civil Affairs, Richard Frederick; Ways and Means, Robert Biller; and Community Improvement, G. Roberts.

Some of our present concerns are the dress and conduct of some individuals in public places, a leash law, an FM booster, the telephone service, recreational facilities, the rental survey, etc.

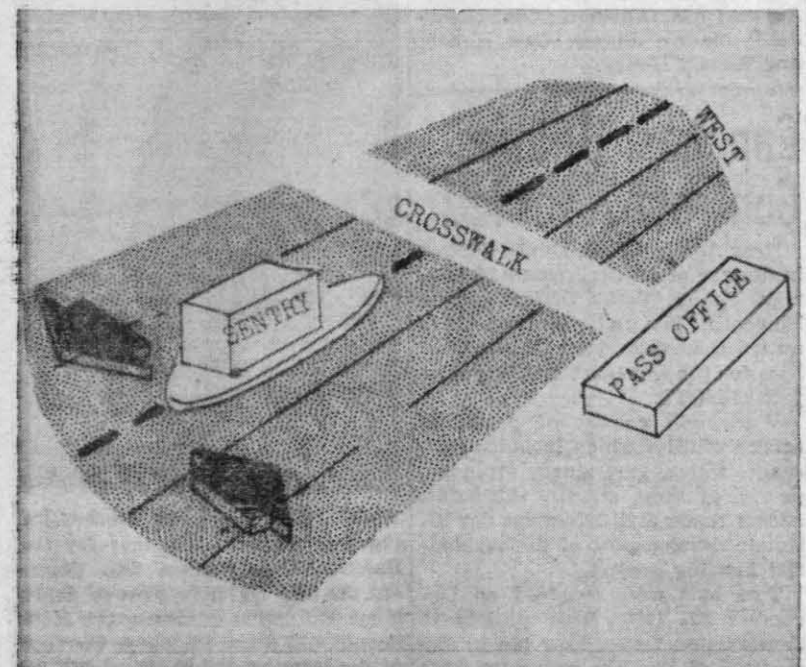
We, the Board, look to you for direction and assistance. What are your recommendations to improve the development of our community? We can serve you more effectively if we can obtain your participation and stimulate your interest in the growth and development of 'your town.'

Community Council open meetings are held in the Community Center at 7:30 p.m. on the 2nd and 4th Tuesdays of each month.

Let us hear from you personally, through your precinct representative, or the appropriate Committee Chairman.

JOHN L. COX
President, Board of Directors
China Lake Community Council

Why 10 mph at Gate Exit?



MANY REASONS, ALL GOOD—A study of the new 10 mph Station exit speed limit discloses many drivers defeat the pedestrian safety factor by stopping on the gas at the sentry post. Safety officials recommend maintaining the reduced speed until past the crosswalk west of the Main Gate sentry in area circled above. Illustration by Wm. G. Ames, DMSN, VX-5.

Promotional Opportunities

(Present Station Employees are encouraged to apply for the positions listed below. Applications should be accompanied by and up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.)

Clerk, DMT, GS-4, PD No. 31755, Code 4526. Personal and telephone contacts, reviewing and composing correspondence, obtaining and preparing information, writing minutes of meetings and resume writing, technical report work, filing and setting-up files, miscellaneous duties.

Mechanical Engr. Gen., GS-11, PD No. 145013, Code 4542. This position is that of a project engineer in the Explosives Applications Branch. Incumbent will be engaged in the development of procedures and equipment for the use of high explosive systems in ordnance applications.

(File applications for above positions with Dixie Shanahan, Room 26, Personnel Bldg., Ext. 7-2676.)

Secretary (DMT), GS-4, PD. No. 20243Am111, Code 30. Position is that of secretary to Associate Department Heads for Operations and Development of Test Department. Performs personal and telephone contacts with many types of visitors, initiates, and reviews official correspondence, maintains office files and records, assumes duties of department secretary on frequent occasions.

(File applications for above position with Pat Dettling/Tawn Haycock, Room 34, Personnel Bldg., Ext. 7-2032.)

Physical Science Administrator, GS-13, PD. No. 12998, Code 5516. Position is Branch Head, Engr. Evaluation Branch of Quality Engineering Division. Mission is to conduct evaluation of non-explosive materials, components, weapons and their packaging under simulated environmental extremes. Determines mechanical properties of materials and components. Performs investigations involving metallurgy, chemistry, packaging, inertial guidance and munition testing. Qualifying experience can be obtained either in Engineering or in any Physical Science discipline.

General Engineer, GS-12, PD No. 050043, Code 5553. Applied engineering structural design and stress analysis on problems relating to development of weapons, shipping and storage containers and their associated equipment under the general direction of Branch Head.

(File applications for above positions with Pat Goveas, Room 31, Personnel Bldg., Ext. 7-1393. Deadline date for all applications February 17.)

Examination Announcement No. 12-20-16(61) has been disseminated by the Eleventh Naval District for *Production*, \$2.38 per hour. Duties: converts wholesale lots to retail packs, sorts, marks, prices, and displays produce in Navy Commissary Store. Assists patrons, conducts physical inventories and assists supervising in planning stock requirements. File Application Form 57 and Card Form 5001-ABC at NOTS Personnel Office. Closing date: February 23.

The public committees and their chairmen are: Executive, John E. Cox; Public Relations, W. P. Mayne; Medical Services, J. G. Condos; Commercial Services, E. A. Long; Housing, Frank C. Wentink; Education, William K. Webster; Entertainment and Cultural Resources, R. Zuber; Recreation, J. Strommen; Civil Defense, Floyd Kinder; Civil Affairs, Richard Frederick; Ways and Means, Robert Biller; and Community Improvement, G. Roberts.

Some of our present concerns are the dress and conduct of some individuals in public places, a leash law, an FM booster, the telephone service, recreational facilities, the rental survey, etc.

We, the Board, look to you for direction and assistance. What are your recommendations to improve the development of our community? We can serve you more effectively if we can obtain your participation and stimulate your interest in the growth and development of 'your town.'

Community Council open meetings are held in the Community Center at 7:30 p.m. on the 2nd and 4th Tuesdays of each month.

Let us hear from you personally, through your precinct representative, or the appropriate Committee Chairman.

JOHN L. COX
President, Board of Directors
China Lake Community Council

Boy Scout Troop No. 41 To Hold Court of Honor

Boy Scout Troop No. 41, sponsored by the NOTS Community Church, will share a potluck dinner with their families followed by a Court of Honor in the Richmond School cafeteria at 5:30 p.m. next Wednesday, February 15. Tenderfoot, 2nd Class, 1st Class, and Merit Badge awards will be presented at the Court of Honor. Guest speaker will be Edward Davey of Pasadena, an active booster in scouting for over 50 years. A movie on the activities at Camp Kern and Huntington Lake will be shown.

Science and mathematics students from BHS have been invited to enter projects in the annual Kern Invitational Science Fair to be held in Bakersfield April 4-7. Entry forms are available from science and math teachers.

Winners of the BHS Science Fair scheduled for Saturday, March 18, will be eligible for the District competition, according to this year's Fair chairman, John Trent, physics instructor.

MERIT SCHOLARSHIP TEST Sixteen students plan to take the National Merit Scholarship Qualifying Test Tuesday, March 7, at 9 a.m. All students who wish to be considered for 1962 Merit Scholarships should take the test at this time.

Persons interested in making donations to the Salvation Army are advised that the Salvation Army truck will be in the China Lake-Ridgecrest-Troyokern area from February 14-24.

On Monday, February 20, China Lake contributions may be delivered to the Parish House on Hussey Street. An attendant will be on duty between 1 and 5:30 p.m.

Sports Slants

Capt. Hollister Opens Annual Bowling Meet

Opening ceremonies for the Men's Bowling Tournament will be staged this Saturday at 7:30 p.m. in the Ridgecrest Recreation Center. Capt. W. W. Hollister will launch the event by rolling the first ball.

A crowd of bowling enthusiasts is expected to be on hand as the cheering section to the eight starting teams.

The Doubles and Singles events begin this Sunday and will be held at the Anchorage Alleys on a two-shift basis beginning at 6 and 8:30 p.m.

Crew's News

By B. C. Sipin, PNI

Some of our men began the new year with new acquisitions... BELATED CONGRATULATIONS AND BEST WISHES TO: R. E. Hallisey, IC1 from the Sixth Div. who exchanged vows with the former Patricia C. Hollis of Trona; Cecil D. Belveal, AA, who took as his bride Jo Anne Torrey of China Lake; and Dale Hayhurst, HN, who claimed Wilma R. Mann at her home town in Bakersfield.

SHC THOMAS WOSICK of the Sixth Div. with over 15 years of active service, reenlisted for another four years. Tom makes his home on the Station with his wife and two children.

Another reenlistee, R. E. ROCH-ESTER, AK3, of the Twelfth Div. added a six year commitment to the six years he has already served. A thrifty Ohioan, he has made no plans to spend his reenlistment pay he'll hold on to it for a while.

Welcome aboard to FRANK AGUILERA, AA from recruit training at USNTC, San Diego. He has been assigned to the First Division.

Some CPO hopefuls are wondering why some questions are posed which they regard as foreign to their rate. Our stock reply is that we suggest they further investigate their specialty and any new areas of responsibility which they might encounter in a new rate.

School Notes

SCHOLARSHIPS A \$500 scholarship is available to any BHS senior girl planning on a career in Home Economics. Also, music scholarship auditions will be held March 4 on the USC campus for outstanding graduates with superior records in music achievement.

For further information, contact Mrs. Beverly Aherin, BHS test director.

UN CONTEST A written exam on the United Nations will be held on February 16 for members of BHS UN Club who wish to participate in the nationwide contest.

Senior girls are eligible for a \$200 gift scholarship granted by Girls League Advisors Association to a Girls League member for outstanding service to the program.

TALENT SEARCH WINNER Karen Plain of BHS has been selected as one of the Honors Group in the 20th Annual Science Talent Search for Westinghouse Science Scholarships and Awards for 1961.

Forty selections were made from 399 applicants throughout the country, 13 winners from California. The title of her project report was: "A Mechanical Generator for Lissajous Figures."

SCIENCE FAIR Science and mathematics students from BHS have been invited to enter projects in the annual Kern Invitational Science Fair to be held in Bakersfield April 4-7. Entry forms are available from science and math teachers.

Winners of the BHS Science Fair scheduled for Saturday, March 18, will be eligible for the District competition, according to this year's Fair chairman, John Trent, physics instructor.

MERIT SCHOLARSHIP TEST Sixteen students plan to take the National Merit Scholarship Qualifying Test Tuesday, March 7, at 9 a.m. All students who wish to be considered for 1962 Merit Scholarships should take the test at this time.

Persons interested in making donations to the Salvation Army are advised that the Salvation Army truck will be in the China Lake-Ridgecrest-Troyokern area from February 14-24.

On Monday, February 20, China Lake contributions may be delivered to the Parish House on Hussey Street. An attendant will be on duty between 1 and 5:30 p.m.

What's Doing in Recreation

Recreation Trend Turns To Active Participation

Leisure is big business. Personal expenditures for "so-called leisure activities have risen by approximately sixty percent during the past decade and are currently estimated to amount to over \$40,000,000,000 per annum, roughly equivalent to those for national defense," according to a weekly bulletin on stocks issued by the First of Michigan Corporation.

The bulletin attributes this remarkable rise "to the increase in population, broader distribution of wealth, shifts to the suburbs, technological improvements, in-

crease of credit, and more leisure time... The trend towards more active participation in recreation and hobbies, so strong in recent years, seems likely to continue.

Industries which have been (soaring) include boating, bowling, do-it-yourself products, auto rentals, photography, and travel."

Local Application The winter season is a wonderful time to increase your leisure time activities here on the desert. If you have not received the recently revised Club and Organization listing, they are available at the Community Center receptionist counter.

With the multitude of special interest groups, hobby clubs, and social organizations here at China Lake, you'll find at least one that will make your leisure hours more enjoyable.

It's also a good time for getting better acquainted with the surrounding regions. An excellent guide is the recently published "Indian Wells Valley" handbook. This is the third edition published by the Inyokern-China Lake Branch of the American Association of University Women. It contains information on desert flowers, animals, birds, sight-seeing, early history, geological history, climate, first aid, communities, and community facilities. Information on where you may purchase these booklets is available at the Community Center, Ext. 72010.

Cribbage February 13 is the date for the monthly Cribbage tournament. It will be held in the Community Center lounge at 7 p.m. All Station adults (military and civilian) are invited to participate.

Four hand, partner Cribbage will be played with the best three out of five games deciding the winner in each set. The tournament winners will receive individual trophies and have their names engraved on the Champions Plaque.

Adult Station Dance Reservations are being taken at the Community Center for groups of eight or more for the adult Station dance to be held Friday, February 24. Bill Pannell and his "makes-you-want-to-dance" music plus "Diamond Lil", exciting song stylist, will be there for your entertainment and dancing pleasure.

Admission will be \$1 for men. All Station personnel 21 years old and over are invited.

Meetings... AAUW Education Study Group members will meet Wednesday, February 15, at 7:30 p.m. in the Annalee Odencantz residence, 50-B Randolph. BHS principal, Ken Westcott, will discuss the school Lanuage Lab and next year's general curriculum. Interested women are invited.

FRENCH LANGUAGE CIRCLE members will hold their social dinner meeting this month in the Sun Room of the Club at 7 p.m. Wednesday, February 15. The program will consist of a recorded play titled: "Le Cuvier" based on the French Middle Ages, and a discussion of the classic "Memoirs of Casanova" by Henry (Bud) Browne.

DESERT ART LEAGUE will meet next Wednesday at 8 p.m. in the Community Center for election of officers. Ruth Newland will show slides of her European trip, particularly the cathedrals at Chartres and St. Chapelle. Open to the public.

NOTS OVERSEAS CLUB will meet next Wednesday at 7:30 p.m. in Room B of the Community Center for a showing of colored slides on Denmark by "Chick" Snyder.

QUARTER MIDGET RACES will be held Sunday, February 12, on the track off SNORT Road. Time trials will start at 1:30 p.m., and races at 2 p.m. For further information contact Glenn Gallaher, Ext. 73532.

DESERTAIRES will celebrate the acquisition of their new headquarters, Rowe St. Hut 101, with a Valentine Party at 7 p.m. Thursday, February 16.

Public Works Man Earns Benny Sugg A Beneficial Suggestion award of ten dollars has gone to Michael A. Drabik, an Electrician with the Maintenance and Utilities Branch, Public Works Department, at Pasadena.

Based on safety benefits, the idea pertains to "Electrical Limit Switches."

PROMOTIONAL OPPORTUNITIES PASADENA Rigger, Public Works Department, Hourly Pay Range \$2.87 to \$3.11. Two Vacancies. Duty Station: Long Beach (San Clemente Island). Duties: Maintenance of moorings for floating equipment; selects and attaches hoisting and pulling gear for lifting, moving and positioning of equipment and heavy loads such as missiles and launchers. Contact: Nancy Reardon, Pasadena Personnel Division, Extension 104.

Blindness, United Cerebral Palsy Associations, American Cancer Society, American Heart Association, Arthritis and Rheumatism Foundation, Muscular Dystrophy Associations of America, National Association for Mental Health, National Association for Retarded Children, and Nat'l Multiple Sclerosis Society,

News From Pasadena

Jennison Presents Paper on Concrete To CalTech Civil Engineering Seminar

James H. Jennison, Head of UOD's Product Engineering Division, recently presented a paper to the Civil Engineering Seminar at CalTech on "Prestressed Concrete Designed for Blast Loads."

"Prestressed concrete is superior to conventional reinforced concrete," Mr. Jennison states, "for structures must resist vibration or

severe shock loads such as nuclear blast."

As a Consultant with Boynton Associates, Scientists and Engineers, Jennison designed a massive prestressed concrete structure which will be the dominant feature of a large blast simulation facility soon to be built at Vicksburg, Mississippi, for the Waterways Experiment Station of the U. S. Army. The job is sufficiently unprecedented that special design criteria were developed.

He says: "Probably, the prestressing forces, which total 134,000 tons, are greater than have ever before been applied to a single structural member." By way of comparison, this is nearly three times the standard displacement of the battleship Missouri (45,000 tons).

Jennison is a graduate of CalTech with a B. S. degree in Civil Engineering and an M. S. in Structural Engineering. He has been with the Station since 1945 and was the Chief Engineer on the Variable-Angle Launcher Project.

IBM cards are being distributed with pay checks today to all employees here. These cards are to be filled in by the employee and taken with him when reporting for the chest X-Ray.

Cards have been mailed to military personnel for completion by them and their dependents who are included.

X-Rays will be scheduled alphabetically according to last name: Friday, February 17 A-G 8 a.m.-12 Noon H-M 1 p.m.-3:30 p.m. Monday, February 20 N-T 8 a.m.-12 Noon U-Z 1 p.m.-3:30 p.m. Tuesday, February 21 Morris Dam, Long Beach and ONR Personnel 8 a.m.-12 Noon Military Personnel and Dependents 1 p.m.-3:30 p.m. Thursday, February 23 Retakes and Stragglers 8 a.m.-12 Noon and 1 p.m.-3 p.m.

Report Given On Speakers' Bureau Activities in 1960 An active Speakers' Bureau at NOTS Pasadena is telling of NOTS and its work to the community and surrounding areas. During 1960, 28 such speeches were made. Fourteen of these were to service clubs, nine to Reserve groups, three to schools, and two to Scout groups.

Programs presented included some on NOTS Pasadena and its mission, others on specific missile programs, and still others on career opportunities offered by activities such as ours. Also included were some covering the Navy's Sea Power Program.

Leading the field of speakers was Lester H. Hildreth of Supply Department. During the year, he presented among various service clubs a total of seven talks on Expanding Frontiers in Ordnance and on RAPEC I.

Making two appearances each were Captain Charles J. Beers, Lt. William J. Gerrity, T. C. Mico, Gerald G. Mosteller, Gene Osuch, John L. Phillips, Gene Rowden, and Frank White.

Presenting one speech each were Tom Cloer, Theodore F. Gautschi, James H. Green, Cdr. Harry J. Hicks Jr., and Cdr. E. P. K. King.

Ships Will Host General Visiting At Long Beach Ships in the Los Angeles-Long Beach area which will host general visiting during February and March are as follows: Feb. 11-12—USS CARTER HALL, Dock Landing Ship. Feb. 18-19—USS MISPILLION, Oiler. Feb. 25-26—USS DE HAVEN, Destroyer. Mar. 4-5—USS YORKTOWN, Support Aircraft Carrier. Mar. 11-12—USS EDSON, Destroyer. Mar. 18-19—USS LINCOLN COUNTY, Tank Landing Ship. Mar. 25-26—USS MADDOX, Destroyer.

Visiting hours are 1-4 p.m. on both days. Cameras are not permitted. It is suggested that women wear low heeled shoes and slacks. For location of ships, call HE 5-5444 on Wednesday preceding the weekend concerned.

Dual Fund Campaigns Enter Final Day, Turn in Envelopes Today to Keymen Today is the final day of the fund campaigns for the National Health Agencies and the Federal Service Joint Crusade. Remember, if you haven't already done so, be sure to turn in your envelopes today to your Department Keymen.

People all over the world are depending on you. Don't let them down. Support Radio Free Europe, C.A.R.E. and American-Korean Foundation.

The voluntary National Health Agencies are: National Society for Crippled Children and Adults, National Society for the Prevention of

Blindness, United Cerebral Palsy Associations, American Cancer Society, American Heart Association, Arthritis and Rheumatism Foundation, Muscular Dystrophy Associations of America, National Association for Mental Health, National Association for Retarded Children, and Nat'l Multiple Sclerosis Society,

Blindness, United Cerebral Palsy Associations, American Cancer Society, American Heart Association, Arthritis and Rheumatism Foundation, Muscular Dystrophy Associations of America, National Association for Mental Health, National Association for Retarded Children, and Nat'l Multiple Sclerosis Society,