

This Was NOTS in '59

A quick glance through the fifty issues of the Rocketeer published during 1959 emphasizes the value of the newspaper as a historical record. The Station's accomplishments, its growth and changes, as noted below, are all recorded.

January 9—Public Works Department Planners and Estimators complete Engineered Performance Standards orientation.

January 16—The 14th Annual American Ordnance Association, Standards and Metrology Division, convenes here.

January 23—New Rocket Engine Control developed by Marshall Klein, Douglas Ordahl, Eugene Rutkowski and others of Propulsion Development Department.

February 6—NOTS Employees Federal Credit Union Policy changed to allow unlimited deposits, with unlimited ceiling.

February 13—Dedication of the Golf Course Club House includes tourney, contests, dinner and dancing.

January 30—Tenants in Station Housing now authorized to make additions on Government-owned quarters, with additions to conform to specific regulations.

February 20—East Wing of All Faiths Chapel dedication attended by persons of all faiths. Douglas J. Wilcox, Head, UOD, receives Arthur Fleming Award.

February 27—Dr. Howard A. Wilcox, selected as Deputy Director, Defense Research and Engineering, with Secretary of Defense in Washington.

March 6—China Lake schools hold annual Science Fair; representatives of Kern County businesses, industry and government tour NOTS.

March 13—Personnel Department becomes the Personnel and Community Relations Department, with combined functions of the former Community Affairs and Personnel units.

March 20—BuOrd Deputy Chief, RADM. Miles H. Hubbard, visits NOTS.

March 27—Initial report of the pending formation of the Bureau of Weapons made to Rocketeer readers. L. G. Garman named head of Supersonic Track Division.

April 3—Dr. Max Rubin receives Sylvia Besser Award from Desert Area Family Service Agency in recognition of outstanding service in the field of mental health in this area.

April 10—Ridgecrest holds NOTS Appreciation Day.

April 17—Admiral Arleigh A. Burke, CNO, visits NOTS; General Mess here named one of the four top Navy general messes in the 11th Naval District.

April 24—Joint Charities drive concluded; chapter of Sweet Adelines formed.

May 1—Record attendance set at Wildflower Show; winners of Kern County Science Fair tour Station as a part of their prizes.

May 8—James A. Davis named Fire Chief; Cub Scout Field-Pun Day for all Valley Cub Scouts held.

May 16—Armed Forces Day; Jet Pilot Escape Device (RAPEC) proved successful in SNORT test.

May 29—Ticket vouchers for 1959-60 concert season go on sale; RAFT Club celebrates first anniversary.

June 5—175 graduate at Bur-

roughs High School commencement.

June 12—NOTS missile packaging and shipping procedures explained to students of the U. S. Naval School of Freight Transportation, Oakland; Navy Relief closes annual "Call for Contributions."

June 19—Station communications office receives the automatic 82B1 teletypewriter switching system, connecting the Station to 235 other Naval shore installations; McBride Park dedication held; 27 apprentices graduate.

June 26—Guided Missile Unit 61 decommissioned.

July 2—"Inyokern Meeting" held. July 10—"Butternut" job told; China Lake sends five to annual Girl Scout encampment.

July 17—Chief Petty Officer's Mess breaks ground for 30 x 60-foot swimming pool.

July 24—Revised utility rates reduce rental charges of housing units under the jurisdiction of the Station.

July 31—Capt. Theodore A. Grell, USN, takes over NAF in charge of command ceremonies.

August 7—Oregon teachers learn air, space age problems on workshop tour; annual meeting of United Fund set.

August 14—NOTS scientists produce an underwater camera housing, the Mitchell Bell.

August 21—NATO industrialists visit; police chiefs Sullivan, Leslie retire.

August 28—Ayse Akinci, exchange student from Turkey, arrives to begin year's study at Burroughs high school; Research Department organizational changes outlined.

September 4—Ridgecrest businessmen receive orientation of Station facilities, contracts, etc.; FHA-financed homes on sale to NOTS personnel.

September 11—Annual United Fund campaign set; 11 employees receive Patent Awards; school begins for 2300 youngsters.

September 18—NOTS-developed TERASCA climbs 110 miles into space at Pt. Mugu.

September 25—VX-5 receives new commanding officer, Capt. Karl S. Van Meter; Station restaurant to re-open.

October 2—Zuni goes into mass production; San Bernardino Trade Club Show scheduled; 22 selected to begin apprentice training.

October 9—United Fund goal set at \$3,500.

October 23—Personnel specialists hold Salary and Wage Administration conference here; Government Employees Benefit Association salutes its thousandth member—Charles E. Howell.

October 30—Adopted suggestions pay \$1,720 to NOTS idea men; Harlan Hagen speaks at Supervisors Association meeting.

November 6—Third annual Gem and Mineral Show; French Navy's Chief of Staff visits; NOTS observes its 16th anniversary on November 8.

November 13—New Polaris Test Stand awaits first firing on Propulsion Department grounds; Marine Barracks first to reach goal of

100% personnel participation in United Fund drive.

November 20—Station Advisory Board convenes here; Japanese computer expert consults with Test Department personnel on computer design problems.

November 27—Marines play Navy in second annual football game for United Fund benefit; NOTS adds Golden Shoe Club to roster of organizations.

December 4—Hangar No. 3 scheduled for completion by January 15; RAPEC, pilot ejection system, ready for fleet aircraft.

December 11—Station displays its projects at the Naval Air Weapons Meet in Yuma, Arizona.

December 18—Test Department adds two positions to office of Department head; Robert L. Rockwell wins Rotary fellowship for a year's study abroad.



FIRST BABY OF YEAR—Marvel Dowling, treasurer, and Shirley Fossum, president, of the China Lake Navy Wives Club present a \$25 Savings Bond to John B. Ewaschuk, AMS2, and his wife Linda Lee, in honor of their baby, born at 12:36 a.m. last Sunday at the Station Hospital. Terri Lynn, the first baby born to a NOTS service family in 1960, joins 14-month-old Bruce Scott at the Ewaschuk residence at 363-D McIntire.

PTA Program Set for January

The regular Murray Jr. High and Burroughs High School January PTA meeting will be held next Thursday, January 14, in the library of the new high school campus.

Following the 7:30 p.m. social, a flag ceremony by the Boy Scout Troop 41 at 8 p.m. will open the program. Program chairmen Mr. and Mrs. John Klein will introduce the speakers, Linda Shea, 1959 Foreign Exchange summer student from China Lake, and Ayse Akinci, Burroughs High Foreign Exchange student from Turkey, who will speak on their experiences as exchange students.

The second portion of the program will be a panel discussion led by Al Gould, assisted by Rex Shacklett, Dr. Murray, and Al Adams, the \$5,780,000 high school-junior college bond issue that will be decided at the elections to be held February 9.

Of local interest will be the apportionment of \$540,000 to build girls showers and locker room, and a multi-use room for the new high school. A question and answer period will follow.

Dr. Bauer to Review Electron Microscopes For Local IRA Men

Dr. Ernst Bauer, Head of the Crystal Physics Branch, Research Department, will be the featured speaker at the meeting of the local section of the Institute of Radio Engineers to be held in Conference Room A of Michelson Lab, Monday, January 11, at 8 p.m.

Dr. Bauer will speak on the subject of electron microscopes. The German-born physicist attended grammar and secondary schools in Bavaria, receiving his MA in 1953 and his doctorate in 1955 from the University of Munich. He also served the University as a research scientist.

He has conducted many investigations of the structure of biological and technical specimens, using electron microscopes. He is the author of numerous publications, including an original theory of crystallization on surfaces and a textbook on electron diffraction. His talk will be illustrated by slides derived from his book.

Modern Dance Classes Will Start Next Week

Ten-week winter courses in creative modern dance under the direction of Joan Leipnik will start next week for Station residents of all ages.

Pre-school children's classes will start next Monday, January 11, at 2:30 p.m. in the RAFT Club; elementary school age classes will start Monday, January 11, at 3:15 p.m. and Thursday, January 14, at 3:15 p.m. in the RAFT Club; and teenage and adult classes will start Wednesday, January 13, at 6 p.m. in the Community Center.

Further information may be obtained from Joan Leipnik at Ext. 73273.

Insurance Renewed, Tell Traffic Control

Personnel with Station deals on their vehicles, and whose automobile insurance has expired and been renewed, must report to the Traffic Control Office, Main Gate, within 10 days of the expiration date to show proof of up-to-date insurance, according to R. H. Bodwell, Assistant Security Officer.

If going into the Traffic Control Office is inconvenient, the insured should have his insurance company notify that office, by mail.

Failure to comply with this procedure will result in the removal of the vehicle deal.

Basic research is what I am doing when I don't know what I am doing.
—Wernher von Braun

ROCKETEER

Budd Gott, Editor

Office, Housing Bldg., Top Deck

Phones 71854, 72082, 71655

Vol. XVI, No. 1

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

Friday, January 8, 1960

Test Department Employees Receive Incentive Awards

Dr. Ivar E. Highberg, Test Department Head, presented service pins, Superior Accomplishment awards and Benny Sagg awards to Department employees at ceremonies held in mid-December in Conference Room A of Michelson Laboratory.

The largest single award, of \$225, made for an adopted suggestion, went to Ordnanceman Donald Ray. Assigned to the Range Operations Branch of the Missile Range Division, the suggestion, entitled "Instrumentation Status Indicator," presents an easily seen and continuous indication of instrumentation status of plotting boards utilized by range engineers in the accomplishment of test operations.

Others receiving Beneficial Suggestion awards were:

Ernest Long, Instrument Development Division—\$85; Victor Worley and Jack Sturgeon, Optical Instrumentation Branch—\$50; Wardna Abernathy, Project Engineering Division—\$35; Sidney Stanley, Operations Branch of the Fuze Evaluation Division—\$25; Walter Mader, Instrument Operations Division Photographic Laboratory—\$20; and Albert Guerrero, Instrument Operations Division—\$15.

Service Pins

Two 20-Year Federal Service Pins were presented, one to Isidore Klein, a supervisory photo optical equipment technician with the Track Instrumentation Branch, and the other to Clyde D. Zills, Ordnanceman (A & ET), Range Operations.

Ten-Year pins were given to: Frank Haymaker, Grace Hemenway, Edward Winnemore, Anthony Rivera, Robert Leighton, Frank Young, Jack Davidson, George Campbell, Edward Curtis and Max Ellis.

Five-Year pins were presented to Theodore Barr, John Garber, Arvin Hammerly, Eleicto Nadalin, Alan Soud, Donald Young, Joe Brown, Helen Mamula, John Talley, David Kasper, Albert Guerrero, Donald

Strietzel and Charles Paine.

Other Incentive Awards

Nineteen Department employees received Superior Accomplishment Awards for Sustained Superior Performance at the ceremonies. Receiving these awards were: Emma Jane Graves, Stephen Lee, Grace Rowilson, Donald Stevenson, Cora Spiers, Estalene Cottingham, George Silberberg, Kenneth Evans, May Viles, Raymond Nelson, James Keosky, Robert Hoagland, John Lytle, George Campbell, Samuel Gee, Kendall McComas, Kenneth Wood, George Ness and Gerald Nelson.

A Superior Achievement Award was made to Richard Joyce and Superior Achievement Awards (Patent) were made to Jack Davidson and as a joint award to Elmer Green and Floyd Kinder.

Madison Haas, Instrument Operations Division, received a Safe Driving Award.

Lecturer-Physicist Gives Second Set Of Technical Talks

Professor Herbert S. Green, Head, Department of Mathematical Physics and lecturer at Australia's University of Adelaide, has returned to the Station for the second successive winter. This year's series of 16 lectures is again sponsored by the Research Department.

Dr. Green, a distinguished scientist of the British Commonwealth, will cover eight topics of theoretical nuclear science during his two-month contract period. The first two series of two lectures each have already been given by the mathematical physicist. The remaining 12 discussions will be held at the rate of two per week through February 19. All lectures will be held each Wednesday and Friday mornings from 10-11:30 a.m. in Conference Room A, Michelson Laboratory.

Prof. Green's visit last year followed a year's stay at the Institute for Advanced Studies in Dublin, Ireland, where he temporarily held the chair of Professor Erwin Schrodinger, whose "Schrodinger Equation" is one of the cornerstones of modern physics.

This is the Professor's third visit to the United States. His initial indoctrination into the customs of our country came ten years ago during the period when he was a member of the Institute for Advanced Study at Princeton University. It was there that Green met Dr. Roy Leipnik, a mathematical consultant here, who has made the arrangements for the lecturer's visits to the Station.

Dr. Green's family, consisting of wife, Marlies, and children, Roy and Joan, have again accompanied him to NOTS and are residing at 1602-B Radford. The children are attending classes at local schools although they are on vacation from their own Australian school.

Richard Tucker Sings Tonight at Civic Concert

Richard Tucker, acclaimed as the greatest of all tenors, will make his initial appearance before a local audience tonight at the Station Theatre. The second of six concerts this season, all sponsored by the NOTS Civic Concert Association, Tucker's artistry will begin at 8:15 p.m.

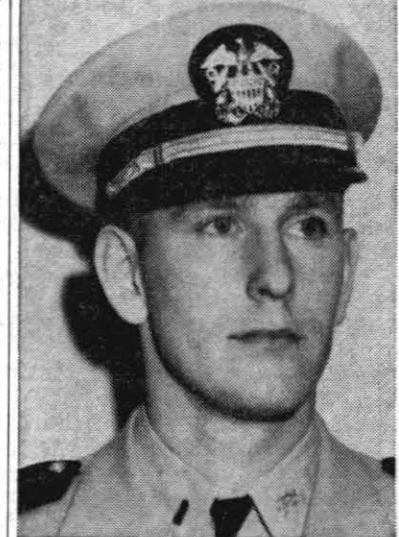
Throughout his present tour, critics and audiences everywhere have been almost unanimous in their appreciation of his unusual voice. Albert Goldberg, writing for the Los Angeles "Times" following the singer's recent recital at that city's Philharmonic Auditorium, claims "... Mr. Tucker was so lavish of his great gifts that there was just about twice as much singing as one would normally hear from him in any operatic role ... There was much more to his singing, however, than glorious tone; it was a definitive example of the belcanto style of effortless production, suave phrasing and unerring control," continues Goldberg.

Tucker's Philharmonic concert consisted of approximately the same numbers that will be presented to the local audience tonight.

Ticket Information

Still available are season tickets, good for the remaining four concerts; however, the sale of these tickets will close at certain time tonight. Prices are: \$10, \$8.50, and \$7, with a special \$4.50 ticket reserved for students and servicemen. Season tickets may be obtained from Dr. Ivar Highberg, Lcdr. Harry Sellars and Walter Pingree.

Single admission tickets will be available at the box office, beginning at 6:30 p.m. Prices for these tickets are \$5.50, \$4.75, \$4 and \$2.25.



CONTRACT OFFICER—Relieving Lt. T. N. Tate as Assistant Resident Officer in Charge of Construction for Contracts in Public Works Department is Lt. (jg) Rossett A. Earnst. A graduate of the University of Illinois with a BS degree in Civil Engineering, Lt. Earnst has served as Transportation Officer and as Maintenance Officer with the Public Works Department at NAS, Quonset Point, R.I., since entering the service in February, 1957.

Credit Union Election

The annual meeting of shareholders in NOTS Employees Federal Credit Union will be held Monday, January 25, at 7 p.m. in the Community Center. A dividend rate for 1959 will be voted on and the election of officers and committee members for the coming year will take place.

Captain Hollister to Appraise NOTS' Role In County's Economy at Bakersfield Meet

Capt. W. W. Hollister, Station Commander, will share speaking honors with topflight business, industrial and financial leaders who will appraise the county's economic prospects for the coming year at the third Kern County Business Outlook Conference on Jan. 15 in Bakersfield.

Brig. Gen. John W. Carpenter III, Commander of Edwards Air Force Base, will also be a featured speaker on the Conference program.

The role the military will play in Kern County's economy during 1960 will be evaluated by the commanders of the nation's largest Air Force flight test and Navy missile research centers, according to Board of Trade President Joseph M. Gannon.

"Because of the vital importance of Edwards and NOTS, not only to Kern County but to the nation as a whole, the observations that will be made by the two distinguished commanders will have great significance," Gannon said.

The county-wide conference will take place at the Stockdale Golf and Country Club, with the morning panel session scheduled to start at 9:15 a.m. A keynote luncheon at 12:30 p.m. will climax the half-day business congress.

Gen. Carpenter assumed command of the Air Force Flight Test Center last March. Prior to his Kern County assignment, the general served as assistant vice commander and director of plans and programming at the Headquarters of the Air Research and Development Command, Washington, D. C.

Capt. Hollister came to NOTS from duty as commanding officer of the aircraft carrier USS Hornet. Among his many assignments during World War II, he served as executive officer of the USS Belleau Wood and the USS Boxer. Capt. Hollister was awarded the Air Medal and Gold Star for his duty in the North Atlantic, and has the Presidential and Navy Unit citations.

UCLA Engineering Graduate Students To Present Reports

Graduate students in Engineering who are currently enrolled in Engineering 299: Research in Engineering, under the UCLA off-campus graduate program at China Lake, will present reports on their research projects at 1:30 p.m. next Monday, January 11, in Conference Room B, Michelson Laboratory.

Representatives of the UCLA Department of Engineering who will be present to hear the reports are Professor Philip F. O'Brien, Liaison Representative to the Station, and Dr. Russell R. O'Neill, Assistant Dean.

The following reports are scheduled: "Drag Minimization of Axially-Symmetric Blunt Bodies" by Ben W. Holder; "A Closed-Loop FM Receiver" by Hugh B. Martin; "The Riemann Method of Integrating the Non-linear Partial Differential Equations of Continuity and Motion in Ideal One-dimensional Gas Flow" by George G. Barnes; "Zone Plate Antenna" by Lyman F. Van Buskirk; and "Investigation of Jet Damping on Oscillatory Vehicle Motion" by Richard O. Slates.

Present and prospective graduate students and other interested employees are invited to attend the presentation.

UCLA Counselors Due Here Monday

Professor Philip F. O'Brien of the UCLA Department of Engineering, and Professor Harry L. Tallman, Assistant Head of the Physical Sciences Extension will visit the Station next Monday, January 11, and will be available for student counseling during the afternoon.

Engineering students who wish to discuss their programs with Prof. Tallman may arrange appointments through the Education Office, Code 6541, Room 1004, Michelson Laboratory, Ext. 71759.

Partner's Best Ball Golf Tourney Set For This Weekend

The first golf tournament of the new year will be played tomorrow and Sunday at the China Lake Golf Course.

Lt. Joe Brockman, tournament chairman, has announced that entries for the two-day, 36-hole event will close at 9 a.m. Saturday, Jan. 9.

All men golfers with established handicaps are invited to participate. An entry fee of \$2 per person will be used for low net and low gross prizes. Registrations for the partner's best ball tournament are being accepted at the Pro Shop. Handicaps of entrants and partners combined should not be less than 15 nor more than 30.

Desert Art League to Feature Rex Brandt

The public as well as members of the Desert Art League will have the opportunity to spend "An Evening with Rex Brandt," one of the best watercolorists and teachers in America, on Monday, January 18, at 8 p.m. in the Community Center.

During his career, Brandt has held over 100 one-man shows throughout the country and has been awarded countless noteworthy prizes. By invitation he has exhibited at the National Gallery of Art and the Corcoran Gallery in Washington, and the Detroit Institute of Arts.

Brandt has written several books and his "Watercolor Technique" has sold over 18,000 copies. In the summer, he conducts his own school of painting at Corona del Mar.



DISPLAYING NEW RATES—Fourteen GMU-25 men who were advanced in rate following examinations taken last August display first, second and third-class crowns for the Rocketeer photographer. Shown, first row (l-r) are: Joe A. Vigil, SK1; James R. Kennish, GS3; James T. Gavigan, Jr., FT1; John

S. Frankhauser, GS3; Richard C. MacDonald, GS3; Reading D. Hall, GS3; Gerald L. Amburn, GS3. Second row (l-r) are: Richard H. Pickering, GS1; William R. Bishop, FTA3; Richard B. Heller, FTM3; Eugene A. Andres, FTA3; Charles L. Russell, FTA3; H. Patton Toppel, GS3; Robert P. Shubin, FTM3.

7522 COPY
DO NOT REMOVE
FROM THE FILE



A CENTURY OF SERVICE—In recognition of each man's 20 years of Federal service, five Public Works Department employees were presented 20-Year Federal Service Pins by Capt. T. J. Dumont, Public Works Officer, in mid-December. Recipients (l-r) are: George Hartzell, Phillip Hosmer, David I. Boyd, Neil Johnson and Charles A. Greahouse. Posthumous presentation of a similar pin was made to the wife of Glenn Losch who died last October.

Sport Slants

By Chuck Mangold, Athletic Director

The Station Intramural Basketball League is back in full swing again after the holiday leave period.

Two of the top teams in the league meet Thursday night at 8 p.m. when John Henderson's undefeated Burroughs Faculty Five tangles with Jim Gallien's unbeaten team from the Engineering Department.

On Friday night, January 15, at 8 p.m. the Pt. Mugu basketball team will play the NOTS All-Stars. Our club will be made up from the top ball players from our Intramural League. Lt. Bill Rellly from Marine Barracks will coach the NOTS team.

Unclaimed Tickets
Lucky ticket holders who have not picked up their prizes from the United Fund football game include the following numbers: 2361, 911, 765, 1391, 994, 25, 290. Prizes may be picked up at the Special Services Office, top deck of the Housing Building. Any prizes not picked up by January 15 will be turned over to the Chaplain for distribution.

Intramural Basketball Standings

Team	Won	Lost
Engineering Dept.	3	0
Burroughs Faculty	2	0
VX-5	1	1
Marine Barracks	1	1
NAF	1	1
GMU-25	1	1
NOTS	1	1
Salt Wells	0	3

High individual game: 243—L. J. Fenstermacher, NAF; high individual three game: 580—Ken Vollmert, NAF; high team game: 915—NAF; high team series: 2516—NAF.

Golf
Results of the China Lake Woman's Club golf championship: 1st Flight—Winner—Mary Linn McIntosh; 2nd Flight—Winner—Gerry Emberton; 3rd Flight—Winner—Regina Hibbs.

Promotional Opportunities

Only persons currently employed on this Station may apply for the following positions, and up-to-date Forms 59 should be submitted when applying.

Secretary (DMT), GS-4, PD 31755, Code 4526. Makes personal and telephone contacts, reviews and composes correspondence, and prepares information, writing minutes of meetings, does resume writing, technical report work, filing and setting-up files and performs miscellaneous duties.

Clerk (Typ.), GS-4, PD 31270, Code 454. Types technical reports and correspondence, does timekeeping functions for the Division, controls classified technical reports, maintains Branch and Section files.

Refrigeration & Air Conditioning Mechanic, two vacancies, GS-2, PD 31270, Code 4553. Installs, maintains, and repairs refrigerating and air-conditioning equipment and components.

Mechanic (Maintenance), GS-2, PD 31270, Code 4553. Overhauls, repairs, and replaces various types of machines and machinery.

Editorial Clerk (Gen.), GS-4, PD 18514-1, Code 12. Prepares technical reports, performs secretarial services, clerical duties and miscellaneous duties.

File application for above positions with Miss Shanahan, Room 26, Personnel Bldg., Ext. 72723, by Jan. 15.

Clerk (DMT), GS-4, PD 930010, Code 3012. Handles all clerical work for the Branch in connection with projects such as ASROC, SUBROC, etc. Experience with a dictating machine required.

Supervisory Digital Computing Systems Administrator, GS-12, PD 28790, Code 3037. Directs operation, maintenance, modification and expansion of an integrated data processing system on the IBM type 700 series computers. Also directs development of improved programming techniques, advises staffs and participates in long range planning.

Electronics Mechanic, GS-2, PD 31270, Code 305. Engages in the maintenance, repair, operation and development of electronic

Pre-registration Set For Adult Evening High School, College

Evening classes under the Burroughs Evening High School and Bakersfield College will begin Monday, February 1, according to W. J. Shortt, principal of the high school and coordinator for the college classes. Pre-registration for courses to be offered during the spring semester will extend from Monday, January 18, through Thursday, January 21, at the Burroughs High School Library from 7-9 p.m. each night.

Bakersfield College courses, which give college credit upon completion, to be offered are listed. All classes will meet on the Burroughs campus unless otherwise specified, as indicated.

Astronomy 1b—Introduction to Astronomy, 3 units; Tuesday, 7-10 p.m.; Room 29b.

Basic Drawing 2, 2 units, Tuesday, 6:30-10:30 p.m.; Murray School Art Shop.

Business Administration 1b, 3 units, Monday, 6-10 p.m., Room 12.

Business Administration 18b, 3 units, Tuesday, 7-10 p.m.; Room 14.

Class Piano 1c, 1 unit, Tuesday, 5-7 p.m., Choral Room.

Economics 1b, 3 units, Thursday, 7-10 p.m., Room 20.

English 1a, English Fundamentals, 3 units, Monday, 7-10 p.m., Room 16.

English 52a, beginning, Tuesday, 6:30-9:30 a.m., Room 20, two units.

The English Classification Examination, required prior to taking any college-level English courses, will be given Tuesday, Jan. 19, at 7 p.m. in Room 12 of Burroughs High School.

English 1b—English Fundamentals, 3 units, Tuesday, 7-10 p.m., Room 16.

English 1a—Freshman Reading and Writing, 3 units, Wednesday, 7-10 p.m., Room 16.

English 1b—Freshman Reading and Writing, 3 units, Monday, 7-10 p.m., Room 15.

English 51b—Language Skills, 3 units, Wednesday, 7-10 p.m., Room 15.

French 2, Elementary, second semester, 4 units, Monday, 7-10 p.m., and Wednesday, 7-9 p.m., Room 17.

Geography 1b—Introduction to Geography, 3 units, Monday, 7-10 p.m., Room 14.

History 4b—Western Europe, Wednesday, 7-10 p.m., Room 13, three units.

History 17b—History of the United States, Wednesday, 7-10 p.m., Room 20, three units.

Math D—Intermediate Algebra, Wednesday, 7-10 p.m., Room 29b, three units.

Math 1—Mathematical Analysis, Thursday, 7-10 p.m., Room 26, three units.

Math 3b—Analytic Geometry and Calculus, second course, Tuesday, 5-7 p.m., and Thursday, 5-6 p.m., Room 27, three units.

Math 31—Slide Rule, Thursday, 6-7 p.m., Room 27, one unit.

Music History, Tuesday, 7-10 p.m., Choral Room, three units.

Psychology 1b—Physiological Psychology, Wednesday, 7-10 p.m., Room 17, three units.

Sociology 1, Wednesday, 4-7 p.m., Room 17, three units.

Speech 1b—Elements of Public Speaking, Thursday, 7-10 p.m., Choral Room, three units.

Evening High School
Courses to be offered by the Burroughs Evening High School, with classes beginning February 1, are listed.

Algebra—first semester, Monday, 7-10 p.m., Room 23.

Algebra—second semester, Monday, 7-10 p.m., Room 24.

Arithmetic and Language Review, Thursday, 7-10 p.m., Room 14.

Art, Monday, 7-10 p.m., Training Building, Room 211.

Astronomical Instrument Design, Tuesday, 8-11 p.m., Michelson Lab.

Blueprint Reading and Drafting, Monday, 6-10 p.m., Training Building, Room 107.

Electricity Blueprint Reading and Sketching, Wednesday, 6:30-9:30 p.m., Training Building, Room 107.

Electronics, Basic, second semester, Monday and Wednesday, 4:30-6:30 p.m., Training Building, Room 105.

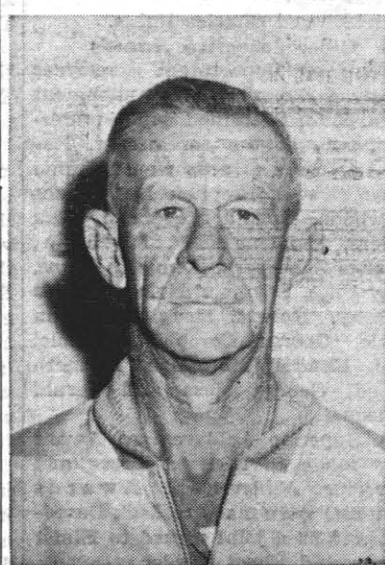
Meetings...

PEBBLE PUPS at the 4th and 5th grade level will hold a workshop from 5 to 6 p.m. next Thursday, Jan. 14, in the Rockhound Hut. IWW METAL TRADES Council will hold an open meeting to discuss Union organization problems at the American Legion Hall next Thursday, Jan. 14, at 7 p.m. All interested persons are invited to attend.

BPW CLUB of China Lake will meet next Tuesday, Jan. 12, at 11:30 a.m. for their monthly business meeting.

GOVT EMPLOYEES BENEFIT Association members will convene for the annual election meeting Tuesday, Jan. 12, at 7 p.m. at the Recreation Hut.

Receives 30-Year Pin



OLD-TIMER—Glenn P. Patterson, Heating Plant Operator with Public Works Department, received his 30-Year Federal Service Pin at presentation ceremonies just before Christmas. After 22 years served with the Marine Corps, he joined Civil Service in 1954 at the U. S. Marine Corps Training Center, Twenty-Nine Palms and came to NOTS two years later.

Traffic Violations During December

Drunk driving 3
Driving without license 2
Drag racing 3
Hit and run 3
Speeding 28
Illegal entry to Station 3
Reckless driving 3
Parking 39
Failure to yield right of way 4
Running stop sign 3
Following too closely 1
Driving through blockade 4
Driving without sticker 1

History of the United States, second semester, Tuesday, 7-10 p.m., Room 13.

Home Nursing, Wednesday, 7-10 p.m., Room 21.

Mother and Child Care, Tuesday, 7-9 p.m., Room 15.

Needlework and Yarncraft, Monday, 7-10 p.m., Room 29a.

Photography—Fundamentals of Color Photography, Monday, 7-9 p.m., Burroughs Photo Lab.

Photography—Advanced, Wednesday, 7-10 p.m., Burroughs Photo Lab.

Sewing, beginning, Wednesday, 7-10 p.m., Room 18b.

Sewing, intermediate, Tuesday, 7-10 p.m., Room 18b.

Sewing, advanced, Monday, 7-10 p.m., Room 18b.

Sheetmetal Layout, second semester, Tuesday, 7-10 p.m., Training Building, Room 107.

Shorthand, intermediate, Monday, 7-10 p.m., Room 11.

Spanish, conversational, beginning and intermediate, Monday and Wednesday, 7-9 p.m., Choral Room.

Swimming and Lifesaving, Monday and Wednesday, 5:30-7:30 p.m., Station Pool.

Typing, intermediate, Monday and Wednesday, 7-9 p.m., Room 10.

Woodshop, Monday and Wednesday, 6:30-9:30 p.m., Woodshop.

Rhymes of the Times
There's a reason
And a rhyme
To do one thing
At a time.
Agan...AFPS

What's Doing

Clip and Save
Published once a month as a community service.

Monday
AFGE, 2d, Community Center, 7 p.m.
Amateur Radio Club, 2d, 4th, NOTS Hobby Shop, 8 p.m.
American Chemical Society, 1st, 8 p.m.
Beta Sigma Phi, 2d, 4th, Anchorage, 7:30 p.m.
Ceramics Club, 3d, Com. Ctr., 7:30 p.m.
CAP, Inyokern Sq. 82 (Cadets), each, Inyokern Airport, 7 p.m.
CPO Wives Club, 2d, CPO Club, 8 p.m.
Desert Art League, 1st, Recreation Hut, 6 p.m.
3d, Com. Ctr., 7:30 p.m.
China Lake Bowmen, 4th, Archery Hut, 5:45 Rowe, 7:30 p.m.
Community Women's Club, 1st, Methodist Church Social Hall, Ridgecrest, 8 p.m.
DAV, Chapter 135, 1st, County Bldg., 7:30 p.m.
DAV, 2d, 4th, County Bldg., 7:30 p.m.
Desert Art League, 1st, Recreation Hut, 6 p.m.
Navy Wives, 1st, 3d, Navy Wives Clubhouse, 7:30 p.m.
Rackhounds, each, Rockhound Hut, 7 p.m.
R.N. Club, 4th, Community Center, 8 p.m.
Scoring Club, each, Glider Hut, at intersection of NAF & SNORT roads, 7:30 p.m.
SPESQSA, each, Hut 81, 8 p.m.
Supervisor's Aux., 1st, Supervisor's Hut, 8 p.m.

Tuesday
Alkali Angels (Model Airplanes), each, Hobby Shop, Ridgecrest, 7 p.m.
AAUW, last, Community Center, 7:30 p.m.
Aur Society, St. Ann's, 4th, Knights of Columbus Hall, 8 p.m.
American Legion and Auxiliary, 1st, 3d, American Legion Hall, 7:30 p.m.
BPW, China Lake, 2d, 4th, 11:30 a.m.
CAP, Inyokern Sq. 82 (Seniors), 2d and 4th, Inyokern Airport, 8 p.m.
Community Council, 2d and 4th, Community Center, 7:30 p.m.
Desert Empire Bldg. of WWI veterans and Aux., 4th, County Bldg., 8 p.m.
Eagles, Fraternal Order of, and Aux., 1st, 3d, Amer. Legion Hall, Ridgecrest, 7:30 p.m.
Emblem Club, 1st, 3d, Elks Lodge, 8 p.m.
Film Society, 1st & 5th, Com. Ctr., 8 p.m.
Moose, 1st, 3d, Moose Hall, 8 p.m.
Moose, 1st, 3d, 442, 1st and 3d, Community Center, 7:30 p.m.
Oasis Garden Club, 4th, Recreation Bldg., Ridgecrest County Park, 9:30 a.m.
Ski Club, 3d, Com. Ctr., 8 p.m.
Sheetmetal Workers, 2d, Com. Ctr., 7:30 p.m.
Women of the Moose, 2d and 4th, Moose Hall, 8 p.m.

Wednesday
Astronomical Society, 1st, Com. Ctr., 8:30 p.m.
Cactus Squares, each, Recreation Hut, 7 p.m.
Federal Employees Veterans Assn., last, 239 W. Ridgecrest Blvd., 8 p.m.
Fleet Reserve A, 2d, Anchorage, 7:30 p.m.
IAW Women's Assn., 2d, 4th, County Bldg., Ridgecrest, 7:30 p.m.
IWW Sports Club, 2d, Com. Ctr., 8 p.m.
Junior Archery, each, 57-8 Rowe, 5:30 p.m.
Kern Desert BPW, 2d, 4th, 8 p.m.
NFFE, 1st, Community Center, 7:30 p.m.
Modern Dance, each, Com. Ctr., 6 p.m.
Rat Club, each, Anchorage, 8 p.m.
Masonic Lodge, each, Masonic Temple, 7 p.m.
NRCC 11-1, 2d, 4th, Rm. 1001, Mich. Lab., 7:30 p.m.
Toastmasters, No. 899, each, Hideaway, 7 p.m.
Sweet Adelines, Inc., each, Anchorage, 8 p.m.
Dance, 8 p.m.

Thursday
Air Reserve Sq. Ft. 9427th, each, Room 1001, Michelson Lab, 8 p.m.
Chess Club, each, Anchorage, 7 p.m.
Desert Dancers, each, Com. Center, 8 p.m.
Dust Devils, each, James Monroe School, 7 p.m.
Elks, each, Elks Lodge, 8 p.m.
IGOP, 1st and 3d, County Bldg., 8 p.m.
Ladies of Columbus, 2d, KC Hall, 7:30 p.m.
PTA (Burroughs), 2d, Cafeteria, 7:30 p.m.
Quarter Midger, 2d, Com. Ctr., 7:30 p.m.
Shrine, 3d, Amer. Legion Hall, 6:30 p.m.
Scottish Rites, 2d, County Bldg., 7:30 p.m.
Toastmasters, No. 853, each, COM, 5:45 p.m.
Toastmasters Club, 2d and 4th, 6:30 p.m.
VFW, 2d and 4th, VFW Hall, 7:30 p.m.

Friday
Rebekah Lodge (No. 412), 1st and 3d, County Bldg., 8 p.m.
Rocket Bridge Club, each, Com. Ctr., 7:30 p.m.

THE ROCKETEER
OFFICIAL WEEKLY PUBLICATION
of the
U.S. NAVAL ORDNANCE
TEST STATION
China Lake, Calif.
Captain W. W. Hollister, USN
Station Commander

Budd Gott Editor
Phyllis Wair Assoc. Editor
Glenna Mayden Staff Writer
R. L. Lyles, PHG, Jon Fulkerson, PHG3
Photographers
Art Illustration by Technical Information Department

Office, Housing Building 35
Telephones 71354, 71635, 72082

PASADENA
Nova Semeyn Correspondent
Phone Ext. 482
Shav Monser, A. E. Black, D. Sanchez,
Photographers

Printed weekly by Hubbard Printing, Ridgecrest, Calif., with appropriated funds in compliance with NAVEXOS P-35.

The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise specified.

What's Doing IN RECREATION

By Jean Cone, Recreation Director

A capacity crowd gave a mighty welcome to the 1960's New Year's Eve party at the Community Center.

Credit for the festive decoration for the event goes to the "Untied Nots." Approximately 20 members volunteered their help on the evening of the 30th. They further added to the success of the party by helping with host and hostess duties on New Year's Eve. If this fine spirit of cooperation and community interest is indicative of future Club activities, the "Untied Nots" will certainly have a successful '60—and we're predicting they will!

All-Navy Cartoon Contest
The Fifth All-Navy Comic Cartoon Contest is underway with a March 1, 1960 entry deadline, according to BuPers Notice 1700, Pers-G11/RAY, dated November 23, 1959.

All Navy personnel on active duty and their bonafide dependents are invited to submit entries. Comic (gag or situation) cartoons, to be acceptable, must have a Navy theme or background, must be in good taste, and suitable for general use. Cartoons must be in black ink on 8x10 1/2 white paper or illustration board.

Contestants may enter as many cartoons as desired, but each entry must contain the following information and statements securely attached to the back of the entry: (1) full name of originator, (2) rate/rank, (3) serial/file number, (4) duty station, (5) hometown and hometown newspaper, (6) Command Recreation Fund Administrator, (7) a brief statement certifying the cartoon as original, and (8) a waiver—"All claims to the attached entry are waived and I understand the Department of the Navy may use as desired." The latter must be signed.

pendents should supply appropriate data together with the following statement: "I am dependent of." All entries must be submitted to be received by the Chief of Naval Personnel (Attn: Pers-G11) by March 1.

All-Navy championship trophies will go to the first five place winners and the winning cartoons will be published in "All Hands" magazine.

Four-Wheel Drive Club
The second meeting of the newly organized Four Wheel Drive Club will be on Thursday, January 21, in the "B" room at 7:30 p.m. in the Community Center. All persons owning a four-wheel drive vehicle are invited to attend.

RAFT Club
The Club is planning an interesting January schedule, with two dances in the offing. January 16 will be the Happy Birthday dance, with a special band, birthday prizes, cake and all the trimmings. The Juke Box Hop will be held January 30 with dancing to the nickelodeon and plenty of fun for all.

Each Club dance has been more and more fun, and attendance is growing. Anyone who hasn't been around to see us for a while should drop in; you're missing a lot of fun.

Junior and Senior Cotillion schedule for January is tomorrow and on Saturday, Jan. 23. Junior Cotillion begins at 6:30, followed by the Senior group who start at 8:30. During Cotillion meetings, the Club will not be open for usual activities, but is open to all members from 2-6 p.m. in the afternoon.

Cotillion members who wish to make up material they have missed,

or who need review may come to the Club at 4:30 p.m. either this afternoon, or during the afternoon of January 22. Since teaching time is so limited, review cannot be given during Cotillion sessions, so members and their parents are urged to make note of these special sessions.

Weekly pool and ping-pong tournaments will be held throughout January on Thursday evenings. With competition beginning at 8:15 p.m., players just might come in early and practice for a while, in anticipation of winning a special snack bar "goodie" ticket.

CONCERT
RICHARD TUCKER
8:15 p.m.
JAN. 8

SAT.
MATINEE (1 p.m.)
"TUMBLEWEED" (79 Min.)
Audie Murphy
SHORTS: "Fodder and Son" (7 Min.)
"Lost Planet" No. 7 (16 Min.)
JAN. 9

SUN.-MON.
"LIEB" (100 Min.)
Olivia DeHavilland, Dirk Bogarde
SHORTS: "Impressions of Moscow" (9 Min.)
JAN. 10-11

TUES.-WED.
"FLYING FONTAINES" (84 Min.)
Michael Callan, Evi Norlund
SHORTS: "Broken Leghorn" (7 Min.)
"Jungle Terror" (18 Min.)
JAN. 12-13

THURS.-FRI.
"TIMBUKTU" (91 Min.)
Victor Mature, Yvonne DeCarlo
SHORTS: "A Gentleman's Gentleman" (7 Min.)
Football Highlights (9 Min.)
JAN. 14-15

SAT.
MATINEE (1 p.m.)
"THE DEERSLAYERS" (78 Min.)
Lex Barker
SHORTS: "Weasel Stop" (7 Min.)
"Lost Planet" No. 8 (17 Min.)
JAN. 16

EVENING
"THE SHEPHERD" (85 Min.)
Glenn Ford, Shirley Maesline
SHORTS: "Scoutmaster Magoo" (7 Min.)
"Hooked and Racked" (16 Min.)
JAN. 17

THANK YOU!
About 50 families in the Ridgecrest-Inyokern area, as well as on the Station, received Christmas baskets through the annual project conducted by the Chaplain's office.

According to Chaplain Robert "Q" Jones, the office and the East Wing of the Chapel were flooded with foodstuffs, toys and incidentals contributed by organizations. Over \$350 was also contributed, which not only bought turkeys, hams and other items, but which permitted outright gifts for last-minute emergencies.

A special "thank-you" is being extended to all those who participated in the 1959 Christmas basket project.

News From Pasadena

So You Think You'd Prefer The Good Old Days

Consider the following office rules, posted in this country in 1872 by Zachary U. Geiger, sole proprietor of the Mount Cory Carriage and Wagon Works.

1. Office employees will daily sweep the floors, dust the furniture, shelves and showcases.

2. Each clerk will bring in a bucket of water and a scuttle of coal for the day's business.

3. Clerks will each day fill lamps, clean chimneys, trim wicks. Wash the windows once a week.

4. Make your pens carefully. You may whittle nibs to your individual taste.

5. This office will open at 7 a.m. and close at 8 p.m. daily, except on the Sabbath, on which day it will remain closed.

6. Men employees will be given an evening off each week for courting purposes, or two evenings a week if they go regularly to church.