

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Education Requirements: Three years of general experience which must have been gained in one or more of the types of supply fields such as (1) Requirements and Distribution, (2) Storekeeper and Storage, (3) Procurement, (4) Stock Control, (5) Supply Cataloging.

File applications for above with Naomi Campbell, Code 656, Bldg. 34, Rm. 206, X-3118.

Crater and Packer, WG-46021-08, Code 2598—Packs, crates, straps and stencils material and equipment incident to shipment off station. This includes blocking, bracing, and shoring of heavy equipment and machinery on to and in railroad cars and motor trucks. Requires operation of different types of power equipment such as lift, rig and cut off saws, grinders, sanders and planners. **Minimum Qualification Requirements:** One year of experience in applying preservative treatment, or such other special processes as may be required and packing miscellaneous supplies, materials, equipment, parts, etc. Involving some difficulty in packing or securing in containers. Six months must have included use of hand woodworking tools or using power saws, nailing machines, etc. in fabricating and/or securing shipping boxes and crates.

Supply Clerk, GS-2005-3, Code 2575—As a Supply Clerk in the Receipt Control Branch, Supply Department, maintains files of advance copies of inspection reports, invoices and requisitions for use by the receiving section and material inspection section to check and inspect incoming material. Helps identify incoming material, matches it to appropriate documents in the open order file and moves it for delivery and payment. **Minimum Qualification Requirements:** One year of general experience in clerical or office work which has demonstrated the ability to perform satisfactorily at the grade level of the position.

Supply Clerk (Typing), GS-2005-04, PD No. 7025013, Code 2582—Responsible for keypunching of data emanating from the Stock Control Branch, Aviation Supply Division, preparation of outgoing documents and subsequent processing, routing and/or mailing thereof, and daily distribution of all incoming documents and correspondence to the Division. **Minimum Qualification Requirements:** One year general experience in clerical or office work which has demonstrated ability to perform satisfactorily at the grade level of the position. One year of specialized experience in supply work or closely related activities. **Job Relevant Criteria:** Ability to type is required.

Stockman, WG-69007-06, JD No. 32, Code 2591 (2 vacancies)—Performs and is responsible for all work operations of an assigned storage area relative to the physical receipt, storage or issuance of supplies. Receives, stores, counts or assembles supplies of all types utilizing established procedures. May direct small groups and assist employees as a working supervisor. **Minimum Qualification Requirements:** Requires taking a written test which will include questions designed to measure the competitor's aptitude for the position. Experience as a warehouseman, or in a related field is required.

File applications for the above with Naomi Campbell, Bldg. 34, Rm. 206, X-3118.

Clerk-Dictating Machine Transcriber, GS-316-3/4, PD No. 47024 Aml, Code 708—Duties of this position are to provide secretarial and clerical services to the Head, Maintenance Control Division. Incumbent transcribes from dictating machine as requested. Set up and maintain many files for permanent record. Receives visitors, relays information and messages and establishes appointment times, etc. **Minimum Qualification Requirements:** A. One year of appropriate experience or, B. Education and/or experience as allowable in X-118, Series GS-316 for GS-4. **Advancement Potential:** GS-4 level.

Planner and Estimator (Public Works Electrical Systems), WD-28004-38, JD No. 235-1, Code 7081—Duties: Provides controlling actions on maintenance work up to the point of scheduling. Screens work requests, plans and estimates the cost of the job (labor and materials) and occasionally acts as project coordinator on jobs of a larger scope. Investigates all work requests that fall within his trade area. **Qualification Requirements:** Rating will be on the basis of the appropriate J-Element Standard in accordance with the CSC Handbook X-118C. **Job Relevant Criteria:** Ability to gather and interpret data concerning production in the trade and make rough estimates of cost and time required for the completion of the work of projects. **Advancement Potential:** Supervisory Planner and Estimator.

Inspector (Public Works Mechanical Systems), JD No. 77-1 Aml, WX53053-50, Code 7082—Duties: Inspects all mechanical systems by examination and test of components involved in a particular facility to



DAMN YANKEES — Students of the Burroughs High School Summer Drama Class go through final rehearsal for "Damn Yankees" which opens next Thursday night for the three-day run. Directed by Bea Moore, the production will play in the Burroughs High

multi-use room July 30, 31 and August 1. Tickets priced at one dollar each are on sale at the Gift Mart, at the school office or at the door on the night of the performance. A special matinee is also scheduled for Saturday afternoon.

determine the physical condition with respect to prescribed maintenance standards. Inspection of all facilities are scheduled at regular intervals. **Qualification Requirements:** Applicants must have had four years of progressively responsible experience in the inspection of mechanical installations or experience as a qualified journeyman.

Pipefitter, WG-42004-10, JD No. 206-1, Code 70421—Duties: Installs, repairs and maintains high pressure piping systems such as air or oil line systems. Determines nature and extent of necessary repairs. Plans and lays out work from blueprints, drawings, technical manuals or specifications. Determines work sequence and tools to be used. Works with a variety of pipe and pipe fittings including those made of copper, brass, lead, glass and plastic. Measures, cuts, bends, threads, packs and joins piping to pipe fittings. Installs valves, traps, thermostats and gages to maintain flow and pressure, etc. **Qualifications Requirements:** Rating will be on the basis of the appropriate J-Element Standard in accordance with the CSC Handbook X-118C.

File applications and Supplemental Rating Forms with Dora Childers, Bldg. 34, Rm. 210, Phone 2393.

Electronics Technician, GS-856-9, PD No. 7055046-1, Code 5515—Calibrates microwave instruments such as attenuators, frequency meters, voltage standing wave ratio meters and noise figure meters. Designs, constructs and applies impedance matching networks to the output of wave form generating equipment. Alters existing test systems to meet applications of local R&D groups. Evaluates error sources in new techniques to assure accuracy and precision in final calibration reports. Performs research in Bureau of Standards manuals for local application. **Minimum Qualification Requirements:** As outline in CSC Handbook X-118, 6 years of appropriate experience, one of which is directly related to the duties of the position. One year of experience comparable in difficulty and responsibility to the next lower grade. **Job Relevant Criteria:** Thorough knowledge of electrical and electronic theory, including a facility for use of algebra, geometry, trigonometry and differential calculus. Knowledge of Navy Calibration program. Knowledge of statistics adequate to evaluate test results in terms of standard statistical parameters.

Clerk-Typist, GS-322-4, PD No. 855098, Code 5503—Incumbent provides typing and clerical support to the Chief Engineer and members of his staff. Prepares official correspondence including letters of release and transmittal of documentation, reports, specifications, etc. Typing responsibilities include format, spelling, punctuation, proper word usage, technical terminology, formulae and special symbols. Acts as receptionist, receives calls, visitors and handles classified and unclassified mail. Experience in this area should be substantial. Establishes and maintains files in a wide area of disciplines (i.e. documentation and human factors, reliability and quality assurance, value engineering and systems and computers). **Minimum Qualification Requirements:** As outline in CSC Handbook X-118, 6 years of appropriate experience, one of which is directly related to the duties of the position. One year of experience comparable in difficulty and responsibility to the next lower grade. **Job Relevant Criteria:** Thorough knowledge of English, grammar and spelling; accurate typing (50 wpm), knowledge of filing systems and Navy Correspondence Manual. Shorthand or DMT experience would be helpful. Personal initiative, mature judgement, loyalty and discretion are required in handling the

work in this position.

File applications for above with Joan MacIntosh, Personnel Bldg., Rm. 212, phone 2371.

Clerk-Typist or Clerk-DMT, GS-3 or GS-4, Code 5572—The purpose of this position is to provide secretarial and clerical assistance to the Head and Staff of the SHRIKE Systems Office. Receives telephone and personal callers and screens those which can be handled by other offices. Schedules appointments and conferences and assembles background material. Receives and screens all incoming correspondence, and maintains follow-up. Maintains office files and changes filing system as necessary to meet new demands. Makes all necessary arrangements for travel. Serves in a liaison capacity between her supervisors and other offices. **Minimum Qualification Requirements:** 1 year GS-3 or 2 years GS-4 of appropriate experience as outlined in CSC Handbook X-118. **Job Relevant Criteria:** Must use initiative and judgment during supervisors' absence to arrange the work load and its priority sequence. Accurate typing and knowledge of DMT (if filled as Clerk-DMT), thorough knowledge of English (grammar and spelling), personal initiative, mature judgement, loyalty and discretion are required in this position. Good public relations are also essential. **Advancement Potential:** GS-4.

File applications for above with Joan MacIntosh, Code 657, Personnel Bldg., Rm. 212, phone 2371 or 2514.

Clerk-Typist, GS-322-2, Code 3502 WAE—This position is located in the Aviation Ordnance Department, Staff Office. The incumbent will be assigned to various units of the Department to perform clerical and typing duties. **Minimum Qualification Requirements:** High School graduate or six month experience. **Advancement Potential:** GS-3 or 4.

File applications for above with Beverly Saiger, Bldg. 34, Rm. 212, ext. 2514.

Illustrator, GS-1020-7 or 9, PD No. 6975-006, Code 7526—Position is with the Animation and Illustration Branch, Presentations Division, Technical Information Department. **Qualification Requirements:** The Branch is responsible for the preparation of all visual aid material used in Center management presentation such as the semi-annual Highlights of NWC Programs and the Management Information Center program. The incumbent will be responsible for the design, production, and coordination of those projects assigned to him by his supervisor. The position will require a comprehensive background in the commercial art and design fields, with the necessary art production experience to produce such visual information material as 35mm color slides, viewgraphs, 16mm film art, flip charts, and the design and minor construction of exhibits. Four years of appropriate experience required at the GS-7 level and 5 years of appropriate experience at the GS-9 level. Combination of education and experience can substitute in accordance with CSC Handbook X-118. For the GS-7 level: "the incumbent will be responsible for the design, and production of those projects assigned to him by his supervisor. For the GS-9 level: "the incumbent will be responsible for the design, production, and coordination of those projects assigned to him by his supervisor. **File applications for above with Beverly Saiger, Bldg. 34, Rm. 212, ext. 2514.**

Pipefitter
The Naval Weapons Center announces

a Competitive Promotion Examination for Foreman, Pipefitter, Ann. No. NWC-8(70), issued 27 July 1970. Career or Career-Conditional employees of the Naval Weapons Center, China Lake and Corona may file Card Form NAVEXOS-4155AB and Standard Form 172 or Standard Form 58 (Supplemental Experience or Qualification Statement) with the Special Examiner, Code 652, China Lake, California, not later than 10 August 1970.

Model Maker
The Naval Weapons Center announces a Competitive Promotion Examination for Foreman, Model Maker (Machining), Ann. No. NWC-9(70), issued 27 July 1970. Career or Career-Conditional employees of the Naval Weapons Center, and China Lake and Corona may file Card Form NAVEXOS-4155AB and Standard Form 172 or Standard Form 58 (Supplemental Experience or Qualification Statement) with the Special Examiner, Code 652, China Lake, California, not later than 10 August 1970.

The Naval Weapons Center announces a Competitive Promotion Examination for General Foreman I, (Maintenance), Ann. No. NWC-10(70), issued 27 July 1970. Career or Career-Conditional employees of the Naval Weapons Center, and China Lake and Corona may file Standard Form 58 (Supplemental Experience or Qualification Statement) and Supplemental Wage Grade Supervisory Information Sheet with the Special Examiner, Code 652, China Lake, California, not later than 10 August 1970.

Electrician
The Naval Weapons Center announces a Competitive Promotion Examination for Foreman, Electrician, Ann. No. NWC-11(70), issued 27 July 1970. Career or Career-Conditional employees of the Naval Weapons Center, China Lake and Corona may file Card Form NAVEXOS-4155AB and Standard Form 172 or Standard Form 58 (Supplemental Experience or Qualification Statement) with the Special Examiner, Code 652, China Lake, California, not later than 10 August 1970.

Lunar Samples Displayed Here

(Continued from Page 1)

out many facts not hitherto known. For example, the age of the moon samples were determined to be from 4.6 to 2.3 billion years old.

From _____

PLACE
STAMP
HERE

TO _____

SHOWBOAT

MOVIE RATINGS FOR PARENTS AND YOUNG PEOPLE

The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

G ALL AGES ADMITTED
General Audiences

GP ALL AGES ADMITTED
Parental Guidance Suggested

R RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

X NO ONE UNDER 17 ADMITTED
(Age limit may vary in certain areas)

ALL G, GP, R, AND X FILMS RECEIVE THIS SEAL OF THE MOTION PICTURE CODE OF SELF-REGULATION

FRIDAY JULY 24
"MOSQUITO SQUADRON" (90 Min.)
David McCallum
7:30 P.M.

(Air War Drama) How could the dreaded German V2 rockets be stopped? The story behind the success of this specially trained squadron is an exciting one of strong men and the origin of skip bombing. (G)
Shorts: "Pink Valliant" (7 Min.)
"Take Off" (10 Min.)

SATURDAY JULY 25
"THE MAGIC FOUNTAIN" (77 Min.)
Hans Conruid
1:00 P.M.
Shorts: "Birds of a Feather" (7 Min.)
"Donald and the Wheel" (18 Min.)

-EVENING-
"THE ITALIAN JOB" (101 Min.)
Michael Caine, Noel Coward
7:30 P.M.

(Comedy/Crime) Light hearted thriller about a "Ble Heist" of a gold shipment from Red China addressed to the Fiat plant near Turin. See the getaway made in XKE's, Aston Martins, Fiats, Mini-Coopers, etc. (G)
Shorts: "Longest Bridge" (8 Min.)

SUNDAY-MONDAY JULY 26-27
"CAPTAIN NEMO AND THE UNDERWATER CITY" (107 Min.)
Robert Ryan, Chuck Connors
7:30 P.M.

(Science/Fiction) Jules Verne's daring captain rules an underwater kingdom to which his captives are brought, under loud protest. Adventure surrounds their attempts to escape from the land of gold. Tops in its kind. (G)
Short: "How to Swim" (7 Min.)

TUESDAY-WEDNESDAY JULY 28-29
"THEY SHOOT HORSES DON'T THEY" (120 Min.)
Jane Fonda, Michael Sarrazin, Gig Young
7:30 P.M.

(Drama) The jolting impact of the 30's depression years when a few with money came to watch many of the jobless who tried for the prize money in sleepless dance marathons for hundreds of hours. (GP)

THURSDAY-FRIDAY JULY 30-31
"DARBY O'GILL AND THE LITTLE PEOPLES" (93 Min.)
Janet Munro, Albert Sharpe
7:30 P.M.

(Comedy) Sure and you'll be splittin' your sides with laughter as m'lords caretaker falls down a hole into the kingdom of the Little People and ends up demandin' three wishes due him. Begorrah, 'Tis a real treat for all. (G)
Short: "Alaskan Eskimo" (27 Min.)



VIEW DISPLAY—Over 4600 visitors from near and far travelled to the South Lobby of the Michelson Laboratory to view the exhibit of lunar rocks which was on display at the Center last Monday and Tuesday. Above, Joyce Umfress of Bakersfield takes her turn at

the display case. The two samples, brought back from the moon on the Apollo 12 mission were brought here by Dr. Nagy, University of Arizona professor and principal investigator of the Lunar Samples Analysis Program.
—Photo by PH3 M. V. Dias

Vol. XXIV, No. 29 Naval Weapons Center, China Lake, California Fri., July 24, 1970

Dedication Of New Park Pending

At the July 14 meeting of the China Lake Community Council, arrangements for the dedication of the Anne Etheridge Park in the Desert Park area, were reported to be pending by Councilman Schmitt of Precincts 3 and 7, who exhibited Public Works plans for the area. The plans included planting, sprinklers and benches. In addition, while the subject of parks was being discussed, a request was made by the Council that Henry Park,

located between Groves and Hornet, east of Lauritsen, be put on the Public Works watering schedule. In the past local residents have been carrying hoses to the park every day in order to keep the park watered.

Booster Fund Drive

Robert Young, of Precincts 5 and 6, announced that the TV Booster Fund Drive has topped the \$20,000 mark and that collections, which are still continuing in the Valley,

should bring the total high enough to accomplish most of the work forecast. He also announced his personal prediction that the three proposed UHF channels will be operating by December.

Miss Ridgecrest-China Lake

Herb Childers and Eileen Taylor were present at the meeting to discuss the proposed year-round committee to handle Miss Ridgecrest/China Lake matters. In addition, Childers explained to the Council his plans and those of the local pageant, to bypass the Miss Kern County pageant and affiliate instead with the Miss California pageant. In this way, Childers explained, the benefits to the local entrant, Barbara Lewis, and other titleholders in the future, would be of greater value, and would increase the title holder's chances in the Miss California pageant.

A working committee was appointed by John Emery, president of the Council, to include Councilmen Mendonca, Precincts 4 and 8, and Dragovich, Precincts 5 and 6, to meet and bring proposals back to the Council and the Chamber of Commerce, the two co-sponsors of the local event.

Phillip Gill, Councilman from Precinct 9, chairman of the Annexation Study Committee, reported on the work that has been done on the study of the feasibility of annexation of certain Navy lands by the City of Ridgecrest. The committee, according to Gill, hopes to have a report ready for the Board within the next four weeks.

Apollo 11 Work

The Center was also deeply involved in similar studies involving lunar samples that were brought home on the Apollo 11 mission.

More than 125 photographs were made of those samples with the aid of the Scanning Electron Microscope, which were conducted on a single "rock" weighing approximately three grams, and a few grams of fine lunar dust.

The findings have been presented by Nagy and Drew in various meetings throughout the country, including the first Lunar Conference in Houston last January.

According to Drew, as reported in the January 30 issue of THE ROCKETEER, the Apollo 11 sample consists mostly of shattered material produced by meteor impacts on the moon's surface.

The heat of collision between the lunar surface and the meteorite causes a flash-melting which can produce a fine spray of molten material, and this may account for the many round, oblong glass beads which are common throughout the material.

The rock studied at NWC was an agglomerate composed of such material. Its outer surface on one side had several minute craters formed by high velocity meteorites. The walls lining these craters were covered by a glassy material caused by the sudden heating after impact.

According to Drew, the research that was conducted by the various teams involved with the Apollo 11 study brought

(Continued on Page 8)



PRESENTS BOOK—Don Armentrout, immediate past president of the Desert Art League, (l), presents the book "Painting Sea and Shore," written by Harry Ballinger, to Maryon Ward, Head NWC Librarian as a memorial to Mrs. Lloyd Clarke, treasurer of the Desert Art League at the time of her death in an auto accident in March of this year. The book was purchased through contributions by members of the art league as was a similar type book presented to the Ridgecrest Library. Armentrout designed and executed the bookplate.

CENTER LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library.

Fiction

Gallico—Matilda.
Nathan—Mia.
Rama Rau—Adventures.
Simak—Out of Their Minds.
Troy—Swift to its Close.
White—Long Drop.

Non-Fiction

Brobeck—Old-time Pickling and Spicing Recipes.
Chase—Around the World and Other Places.
Collins—The Bird Watcher's Guide.
Fishbein—Modern Home Remedies and How to Use Them.
Frisbie—It's a Wise Woodsman Who Knows What's Biting Him.
Gaunt—Commonsense Photography.
Herndon—Ford.
Lundkvist—Making Ceramics.
Messick—Secret File.

Michael—The Academy Awards.
Moll—Sell Yourself Big.
Ney—Wall Street Jungle.
O'Leary—Making of an Ex-astronaut.
Roberts—Veteran and Vintage Cars.
Berryman—The Dream Songs.
Bracken—I Didn't Come Here to Argue.
Crichton—Five Patients.
Egan—The El Dorado Trail.
Grimwood—American Ship Models.
Irving—Fake!
Schulz—Essentials of American Government.
Stuart—Immortals of the Screen.
Trapp—A Family on Wheels.
Travers—Each Other's Victims.
Watson—Hand Bookbinding.
Wrage—Man and Woman.
Young—Journey to Tranquility.

PROMOTIONAL OPPORTUNITIES

Employees are encouraged to apply for the positions listed below. Current applications (SF-171) or Standard Form 58 bringing your work history up-to-date should be forwarded as described below. The fact that positions are advertised here does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any non-merit reason and without favoritism based on personal relationships or patronage.

Military Pay Clerk, GS-545-3 or 4, Code 1765—Responsible for maintaining Navy enlisted pay accounts. Pay accounts are checked for correctness of all entries, including the rate of pay, amount of clothing maintenance allowance, etc. Processes all allotments, processes discharges and reenlistments, etc. **Minimum Qualification Requirements:** GS-3 (Trainee position) 1 year of general clerical experience. GS-4, 1 year of general clerical experience and 1 year of specialized experience. **Advancement Potential:** GS-3 may advance to GS-4.

Clerk (Typing) or Staffing Clerk (Typing), GS-301/203-4 or 5, Code 652—Serves as Employment Division secretary. Receives and routes mail, types correspondence, maintains files of regulatory material, provides clerical support for summer employment program, gathers and presents statistical data, maintains Center deferment program. **Minimum Qualification Requirements:** GS-4 1 year of general clerical experience and 1 year of specialized experience. GS-5 2 years of specialized experience (6 months of which directly related) per X-118. **Job Relevant Criteria and/or Selective Placement Criteria:** Qualified typist, personnel experience desired. **Advancement Potential:** GS-4 may advance to GS-5.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, ext. 2577. Secretary (Typing), GS-318-5, PD No. 7000006, Code 144—This position is located in the Office of the Army Liaison Officer. Duties include: secretary to the Liaison Officer, provision of information services, scheduling appointments, reviewing and preparing correspondence, maintaining control of classified documents, and other clerical duties as assigned. **Minimum Qualification Requirements:** 2½ years of general clerical experience and 6 months of specialized experience as stated in X-118. **Job Relevant Criteria and/or Selective Placement Criteria:** Must have Secret clearance. Knowledge of Army personnel management and administrative procedures is desired.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, ext. 2577. Property Disposal Assistant, GS-1104-05, Code 2597—Inspects property being turned in to disposal to ensure that proper paperwork accompanies material being turned in and receipts for same. Lots or groups sold items, assists in inspection of property, obtains information from buyers on market conditions of excess items. **Minimum Qualification Requirements:** 2 years of general clerical experience and 6 months of specialized experience as stated in X-118. **Job Relevant Criteria and/or Selective Placement Criteria:** Must have Secret clearance. Knowledge of Army personnel management and administrative procedures is desired.

(Continued on Page 8)

NWC Cigarette Smoking Survey Reveals Interesting Statistics

By F. M. Nathan
Central Staff

Cigarette smoking at the Naval Weapons Center is higher among those who did not graduate from college than among those who did—and somewhat higher among those 30 years and over than among those under 30. This data is based on voluntary responses to a mail survey conducted by *News and Views* earlier this year. The responses covered about 25 percent of the NWC population, excluding NAF.

No attempt was made to do a scientific survey. Consequently the results can only be considered suggestive of the incidence of smoking at the Center. The purpose of the poll, which was supported by the Center's Industrial Hygienist, was simply to stir interest in the subject and hopefully to generate a sense of competition among groups to quit smoking. (Some respondents indicated a significant number of people in their groups have recently stopped smoking.)

Figure 1 breaks down the number and percentage of smokers and nonsmokers into the categories covered by the survey.

NWC SMOKERS/NONSMOKERS BY TYPE				
Type	Smokers	%	Nonsmokers	%
College	156	29%	383	71%
Non-College	304	43%	403	57%
Under 30	83	32%	178	68%
30 and Over	377	38%	608	62%
All	460	37%	786	63%

Table 1.

Figure 2 provides percentages by department of smokers and of the proportion surveyed. The responses for some departments were extremely small and are not shown.

NWC SMOKERS BY DEPARTMENT		
Department	Percent Smokers Of Those Surveyed	Percent Covered By Survey
Code 12	36%	All
Code 17	28%	35%
Code 30	24%	24%
Code 35	39%	32%
Code 40	29%	22%
Code 42	24%	32%
Code 45	26%	14%
Code 50	40%	12%
Code 55	47%	60%
Code 60	23%	35%
Code 65	27%	12%
Code 75	32%	25%
Code 85	52%	60%

Table 2

Some noteworthy statistics in Table 2 are the low smoking rate of 23 percent in the Research Department versus a high of 52 percent in the Command Administration Department. For types of employees within departments, only 19 percent of college graduates are smokers in Codes 42 and 75; whereas, 40 percent of Code 55's college graduates smoke. In the Command Administration Department, 51 percent of those under 30 smoke, while only 12 percent in Code 30 do and none of the 17 employees reported in Code 17 who are under 30 are smokers.

Those desiring additional information on this survey may call Fred Nathan on extension 2304.



A GALA AFFAIR—Residents of the Naval Weapons Center and members of the Protestant Congregation who attended the Ice Cream Social on the Chapel Lawn Tuesday, July 21, were feted to a gala affair, which included music by the COMNAVAIRPAC Band from San Diego, entertainment by a

barbershop quartette, the Medallions, and cartoons for the kiddies by Gene Warren, local artist. In addition, all who attended were given old fashioned ice cream, cake, pie and a beverage. More than 1,500 persons attended the affair.

—Photo by PH3 M. V. Dias

China Lake All Stars



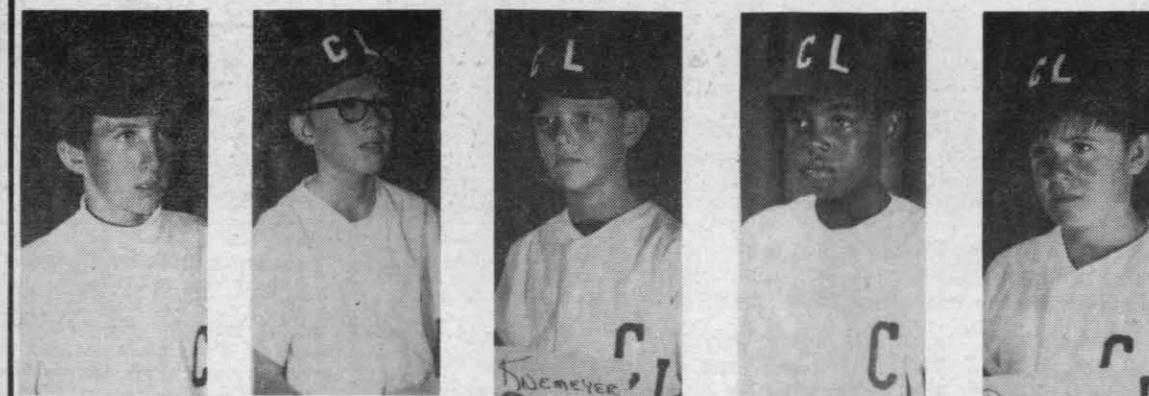
Phillips

McDowell

Forster

Gilbert

Hall



Martin

Hall

Knemeyer

Johnson

Dierolf

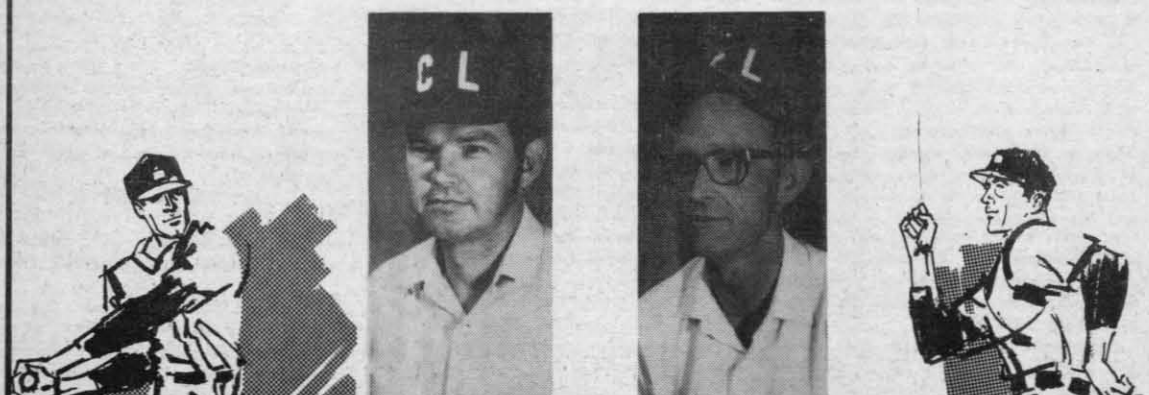


Bullock

Kirwin

Pangle

Alvarado



Coach Gilbert

Mgr. J. Hall

The China Lake All Stars, managed by J. Hall, will play an All Star team from Lone Pine at 8 p.m. on Diamond 4 tonight, following a game between The Ridgecrest All Stars and Bishop at 5 p.m. The winners of those two games will play one another to determine the area champion at 8 p.m. tomorrow night. The losers will play a game at 5.

Annexation To Be Discussed

Beginning with the July 31 issue of The *ROCKETEER*, a series of articles will be presented which will examine the topic of annexation as discussed in a recent issue of the *Valley Independent*. The articles will explore the reasons for the discussion of annexation, the effects of any annexation on the U.S. Navy and the China Lake residents; alternatives to annexation; and other aspects of this subject.

SUNBURN IS NEEDLESS

DON'T LET IT HAPPEN TO YOU!



Five IWV Red-Suiters Capture First Places in KC Swim Meet

Five members of the IWV Swim Team, coached by Carol Chatterton, managed first place wins in the 20th annual Kern County Swim Championships, which took place at the Jefferson Park Pool, in Bakersfield, July 18.

More than 30 swim teams from Kern County were represented in the meet, which saw the top 8 swimmers in each age group and stroke enter the finals. Winners from IWV are as follows:

Girls 8 and Under—Vicki Runo, second place, butterfly event; Nancy Gilkinson, third place, backstroke.

Girls 9 and 10—Kris Odenrantz, third place, backstroke.

Girls 13 and 14—Kris Bjorklund, third place, backstroke.

Girls 15 and 16—Jane McGlothlin, second place, butterfly; Carol Seeley, first place, backstroke; and Linda DeMarco, second place, breaststroke.

Boys 8 and Under—Chris Lockwood, third place, breaststroke.

Boys 9 and 10—Kirk Odenrantz, third place, butterfly; and Steve Hamm, first place, backstroke.

Boys 13 and 14—Bob Seeley, first place, backstroke.

Boys 15 and 16—Bruce Hillard, first place, butterfly; Jon Allan, first place, backstroke; and Rick Bjorklund, first place, breaststroke.

Retired Federal Workers To Receive 5.6% Annuity Increase

Some 950,000 retired Federal employees and survivors will receive a 5.6 automatic cost-of-living annuity increase effective August 1. The increase will be reflected in annuity checks mailed September 1, the U.S. Civil Service Commission announced.

The increase was triggered when the Consumer Price Index exceeded by 3 percent the base CPI of 128.7 (established in August 1969) and held for three consecutive months: March (133.2), April (134.0), and May (134.6). The amount of annuity increase, under a 1965 law, is based on the highest percentage increase over the base CPI during the consecutive 3-month period plus an additional 1 percent authorized by law in October 1969.

Federal employees who retire on or before July 31 will also receive the 5.6 percent cost-of-living increase. The Commission emphasized that to receive the increase, the retiring employees must not be in a pay status after July 31, 1970.

In pending disability retirement cases, applicants may request agencies to place them on leave without pay from and including August 1, 1970, to qualify for the annuity increase. If the disability retirement claim is disallowed, sick or annual leave with pay may be substituted retroactively for the leave without pay. If the claim is allowed, the accumulated annual leave will be payable in a lump sum. Sick leave will be allowed in the computation of the annuity.

tation of the annuity rate.

Because cost-of-living annuity increases are granted automatically, the Commission noted that annuitants need not write to the Commission to obtain them.

Charles Mussler Returns to COM To Manage Pool

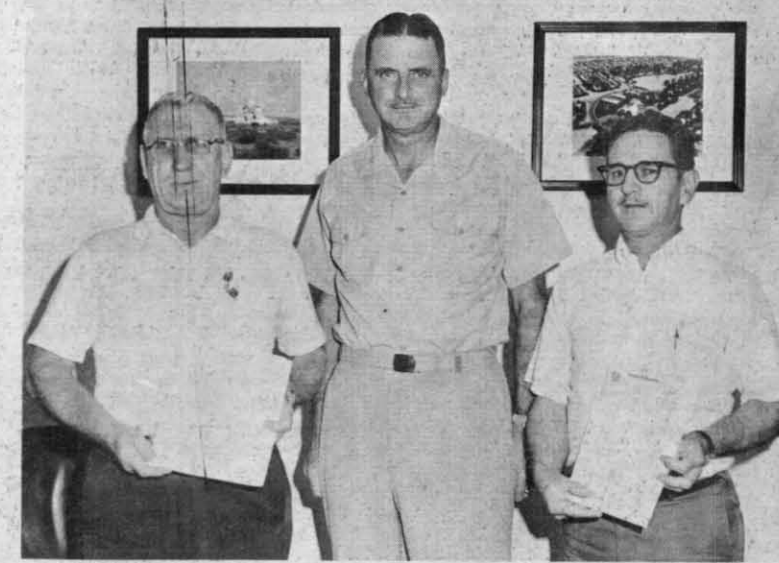
Charles "Buzz" Mussler has returned to manage the swimming pool at the Commissioned Officer's Mess, a position he held in 1968 and early 1969.

Mussler is well known in the local area, having worked here for 19 years before retiring from Code 5512 in 1965, where he was a Supervisor of Quality Control.

Mussler and his wife Virginia have four daughters: Barbara Etoch, Nancy Hoyem, Kathy Reese and Rita Fant, all of whom graduated from Burroughs High School.

According to Buzz, his main goal as manager of the pool area is to insure that the morale of members of the Club is kept high by his staff's diligent care and cleaning of the pool area, but most important, to prevent loss of life, or injury in the pool complex.

Mussler stated that all his lifeguards are certified by the American Red Cross, and are completely capable and qualified for the job.



BENNY SUGG WINNERS—Two members of the NWC Supply Department were recently presented Beneficial Suggestion Awards by Capt. E. M. Wieseke (c), NWC Director of Supply. Bernie Proehl (l), accepted for Irene A. Weakley, who received \$50 for her suggestion "Direct Support Requests, Chits, Identification," and Max W. Rood (r) received \$110 for his "Wall File Cabinets for Completed Purchase and Delivery Orders" Suggestion.

The Rocketeer

Official Weekly Publication
U. S. Naval Weapons Center
China Lake, California

Capt. M. R. Etheridge, USN
NWC Commander

"J. O. Bibby
Public Affairs Officer

Joan Taylor
Assistant Public Affairs Officer
Director of News Bureau

William P. Valente, Jr.
Editor

Jack C. Lindsey
Staff Writer

Lucille Edwards
Editorial Assistant

PH1 Gary D. Bird, PH2 Delmar E. Hart,
PH2 Michael F. Krause, PH3 Maurice Dias,
PH3 L. H. Detweiler, PHAN Ronald G. Mills.
Staff Photographers

DEADLINES:

News Stories Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m.

The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NavExos P-35, revised July 1958. Office at Nimitz and Lauritzen.
Phones 3354, 3355, 2347



DIVINE SERVICES

Protestant (All-Faith Chapel)—
Morning Worship—10:00 a.m.
Sunday School—8:30 a.m., Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite Center Restaurant.

Roman Catholic (All-Faith Chapel)—
Holy Mass—7, 8:30 and 11:15 a.m. Sunday.

Daily Mass—11:30 a.m. in Blessed Sacrament Chapel, Saturday, 8:30 a.m.

Confessions—7 to 8 p.m. Saturday, and 8 to 8:25 a.m. Sunday.

NWC Jewish Services (East Wing All-Faith Chapel)—8 p.m. every first and third Friday.

Sabbath School—10 a.m. to noon, every first and third Saturday.

Unitarian Fellowship—(Chapel Annex 95, 95 King Ave.)—Sundays, 7:30 p.m.



Pony All Stars Lose Division Opener, 5-3

The Indian Wells Valley Pony League All Stars, who won the Area Championship by an 11-4 score against Palmdale Sunday, July 19 at Lancaster, lost the opening round against Lancaster, 5-3, in the double elimination Division Playoffs Tuesday, July 21, also in Lancaster.

The team, which is managed by Marty Denkin, played their second game last night in Lancaster, too late to be featured in this issue of The ROCKETEER.

The starting pitcher for last night's game was doubtful, as Herb Langner, winner of two games during the Area Playoffs, was injured by a line drive in the top of the seventh inning which struck his kneecap. Langner, though in great pain, crawled to the ball and threw the runner out by half a step to end the inning, following a two-run rally by Lancaster, which tied the game at 2-2 and sent the contest into extra innings.

During a three run ninth inning, Billy Lalor, relief pitcher for the IWV All Stars, was spiked in the ankle following an attempted steal of home plate by a Lancaster runner. Lalor was relieved by Larry Kreie, who shut off the Lancaster scoring. However, Lancaster had tallied enough runs as IWV was able to score but once in their half of the ninth inning.

Area Champions

IWV advanced to the Division Playoffs by defeating Saugus-Newhall, 13-1, in the opening round at Lancaster, Tuesday, July 14. On Friday, they met a surprisingly strong Palmdale team and went down to defeat 6-5, despite leading

3-1 at one time during the game.

On Saturday, July 18, IWV rallied to defeat Quartz Hill, 12-7, with Herb Langner winning his second game of the tournament. Lalor and Blanche hit home runs in the game, and Larry Kreie made a fine save of the game for Langner, shutting Quartz Hill off in the final inning.

These two wins by IWV set up the double header on Sunday against Palmdale, who had not yet lost a game. IWV showed their class in the first game behind the power-hitting of Amos Blanche, who hit two home runs in the game, and a homer by Mike Brown. Billy Sizemore was the winning pitcher of the game, despite serving up two home runs to the Palmdale power hitter, Haller, who managed to hit four home runs in the five game series, tying IWV's Amos Blanche.

In the final game played on the Sunday, IWV left no doubt as to their superiority, sending Palmdale down to defeat, 11 to 4. Relief pitcher Kreie, Sizemore and Blanche each hit home runs in the winning effort.

Amos Blanche was the big bat for IWV during the series, hitting .625, with four home runs, eight runs batted in, 10 hits, scored 10 times, and had an on-base average of .778. However, not to be overlooked were the two wins by Langner, the win by Lalor and by Sizemore, and the marvelous relief efforts by Larry Kreie. According to Marty Denkin, the IWV team was exactly that, a "team," and the games were won by a concentrated effort by all concerned.

Overstreet Takes Third Place In 11ND Tourney with 290

Curtis Overstreet, an A23 Technical Librarian at VX-5, and a four-handicap golfer at the China Lake Golf Club, shot an opening round 66 in the 11th Naval District Golf Tournament held at NAS Los Alamitos last week. Overstreet finished the tournament with rounds of 75-76-73 for a 72-hole total of 290, good for a tie for second place and a berth in the Pacific Coast Regional Tournament to be held July 28-31 at Los Alamitos Country Club.

The two-year Navy veteran, who has been at NWC for seven months, competed in amateur events in Texas and is a past winner of the Amarillo, Texas amateur championship, (a club tourney), and won the Olton Country Club Invitation in Olton, Texas.

The former employee of IBM stated that golf is purely a hobby with him, and finishing ahead of some of the former professional golfers in the 11ND tourney is one of his greatest thrills. The tournament was won by Mike Reiley, of DESFLOT3, who shot a

284. Overstreet tied with George Warren, of NTC San Diego.

Overstreet and his wife Janet, have one son, Christopher, who is one year old, and reside at 65-A Franklin, on the Center.

Paul King Wins 'Replayed Shot' Tourney with 63

Paul King shot a net 63 to win the Replayed Shot Tourney at the China Lake Golf Course this past weekend. The event allowed golfers to replay one shot per hole without penalty. Bill Irby and Gary Wydra finished one stroke back, with net 64s, while Max Smith, perennial winner of the low gross events at the CLGC, shot a 73 for best gross score.

According to Curt Bryan, the next tournament will be a 3-club event, wherein golfers may use any three clubs of their choice during an 18-hole round. This event is scheduled for August 15 and golfers are urged to sign up early.



AREA CHAMPIONS—Members of the Indian Wells Valley Pony League All Stars are seen just prior to leaving for Lancaster where they competed in the Area Playoffs

for Pony Leaguers. The local boys emerged victorious, defeating Palmdale in a double-header on the final day to win the championship.

Union 76 And Code 30(2) Still Lead Intramural Softball And Golf

Union 76 lost one game of their two-game lead over El Ranchito Wednesday, July 15, as Billy Brown held Union 76 to one run in the second game played that evening. El Ranchito scored three runs to win and close the gap in the China Lake Intramural Softball League.

In the first game of the evening, NAF, behind the 4-hit pitching of Steve Wittrock, "Athlete of the Month" for July, whipped Ace TV 11-0. Jon Clark smashed two homeruns and had a total of 6 RBIs for the contest.

On Thursday, July 16, Ace TV outlasted VX-5 12-10 in a slugfest which saw Tom Haus homer twice for VX-5 and Bill Underwood bat in 5 runs for Ace TV.

The second game of the evening saw NAF pound Triangle Sporting Goods 21 to 8 in a 5-inning game, shortened by the league's 10-run rule. Jim Latta and Steve Muschok homered for NAF. Pete Klassen, losing pitcher for Triangle, gave up 13 bases on balls and hit two batters, contributing to NAF's scoring spree.

Ace TV was the loser by the lopsided score of 13-0 in a contest with league-leading Union 76 Monday, July 20 which was

shortened to five innings by the league's 10-run ruling. Dave Taylor smashed two homeruns and 4 RBIs, while Bob Hooper hit a solo shot in the final inning.

Bill Brown flipped a 6-hitter at NAF in the final game Monday, allowing the losers only three runs as El Ranchito breezed to a 7 to 3 victory, keeping the Motel squad within one game of the league-leading Union 76.

Following are the standings as of Monday, July 20.

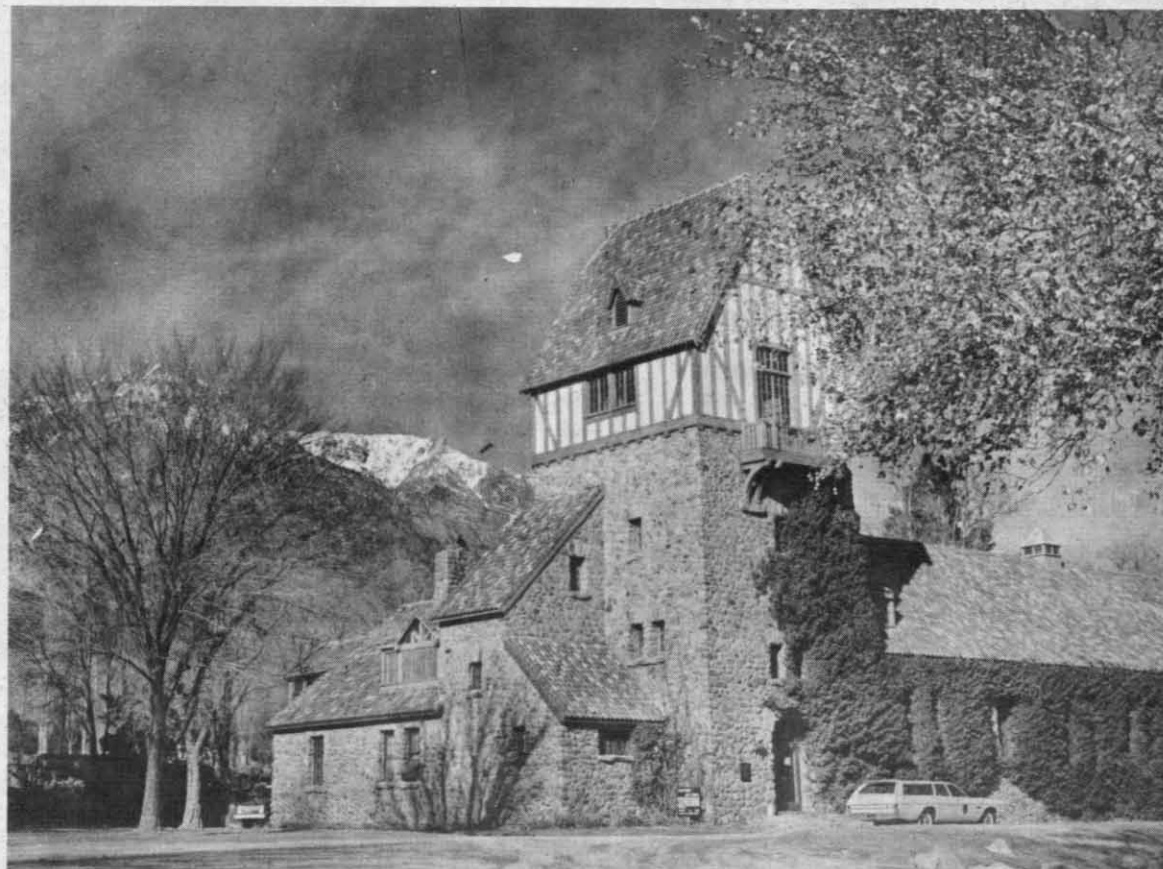
	W.	L.	GBL
Union 76	14	5	—
El Ranchito	13	6	1
NAF	11	8	3
Triangle	8	10	5½
Ace TV	7	12	7
VX-5	3	15	10½

GOLF LEAGUE

League - leading Code 30, Team 2 widened its lead to three and one-half games over second place Code 17 as the China Lake Intramural Golf League moved into its final two weeks of the season.

The fast-moving first place team took four games from the Duffers and Code 17 stole 3½ points from former league-leaders NAF to outpace the rest of the league. However, Code 17 will be idle July 28, and Code 30, Team 2 will have to sit idly by on the final

Dean Ray, manager of the China Lake Bowl, reminds junior bowlers in the local area that sign-ups for the AJBC winter season will take place July 27 through 31 at the China Lake Bowl, between the hours of 10 a.m. and 3 p.m.



FEDERAL BUILDING—The very picturesque Mr. Whitney Hatchery at Fort Independence (near Independence) has often been described as one of the most beautiful state buildings in California. It is also one of the

largest of the trout producing facilities in the Eastern High Sierra. Anyone passing through the area is invited to drop in for a worthwhile visit any day between the hours of 7 a.m. and 5 p.m.

USCB and USC Fall Courses Offered at NWC

The following Engineering, Mathematics, Physics, and Public Administration courses are scheduled to be offered at China Lake this coming Fall, Winter, and Spring by the University of California, Santa Barbara and the University of Southern California.

UNIVERSITY OF CALIFORNIA EXTENSION

Fall Quarter

ME-XI—Engineering Mechanics. (4) Van Aken
M-W 1630-1830 (Rm. 107 T. C.)
ENGR-XL131A—Intermediate Heat Transfer. (4) Thielbahr
M-W 1830-2030 (Rm. 107 T. C.)
ENGR-XL100A—Circuit Analysis. (4) McClung
M-W 1630-1830 (Rm. 211 T. C.)
EE-X146A—Communication Circuits and Systems. (3) Phillips
T-Th 1630-1800 (Rm. 107 T. C.)
MATH-X124A—Topics in Applied Math. (3) Hewer
T-Th 1830-2000 (Rm. 107 T. C.)
MATH-X102—Numerical Analysis. (3) Fojt
T-Th 1630-1800 (Rm. 211 T. C.)

Winter Quarter

ENGR-XL108A—Strength of Materials. (4) Pearson
M-W 1630-1830 (Rm. 107 T. C.)
ENGR-XL131B—Intermediate Heat Transfer. (4) Benham
M-W 1830-2030 (Rm. 107 T. C.)
ENGR-XL116A—Active Electronics Circuits. (4) Ross
M-W 1630-1830 (Rm. 211 T. C.)
EE-X146B—Communication Circuits and Systems. (3) Barrett
T-Th 1630-1800 (Rm. 107 T. C.)
MATH-X124B—Topics in Applied Math. (3) Hewer
T-Th 1830-2000 (Rm. 107 T. C.)
MATH-X126—Advanced Numerical Analysis. (4) Fojt
T-Th 1630-1830 (Rm. 211 T. C.)

Spring Quarter

ENGR-XL103A—Elementary Fluid Mechanics. (4) Rockwell
M-W 1630-1830 (Rm. 107 T. C.)
ENGR-XL158A—Elasticity and Plasticity. (4) Stronge
M-W 1830-2030 (Rm. 107 T. C.)
ENGR-XL116B Active Electronic Circuits. (4) Ross
M-W 1630-1830 (Rm. 211 T. C.)
EE-X146C—Communication Circuits and Systems. (3) Barrett
T-Th 1630-1800 (Rm. 107 T. C.)
MATH-X124C—Topics in Applied Math. (3) Hewer
T-Th 1830-2000 (Rm. 107 T. C.)
MATH-X108A—Introduction to Linear Algebra. (3) Alltop
T-Th 1630-1800 (Rm. 211 T. C.)

USC GRADUATE PROGRAMS IN ENGINEERING AND PHYSICS

Fall Semester

ME 420—Engineering Vibrations 1. (3) Stronge
M-W 0800-0930 (Rm. 107 T. C.)
ME 525a—Engineering Analysis. (3) Maddox
M-W 0945-1115 (Rm. 107 T. C.)
EE 464—Probability Theory for Engineers. (3)
T-Th 0800-0930 (Rm. 107 T. C.)
EE 470—Electromagnetics 11. (3) Bullock
T-Th 0945-1115 (Rm. 107 T. C.)
PHYS 508a—Adv. Electricity and Magnetism. (3) Stanford
T-Th 1430-1600 (Rm. 107 T. C.)

Spring Semester

ME 525b—Engineering Analysis. (3) Maddox
M-W 0800-0930 (Rm. 107 T. C.)
ME 536a—Jet Propulsion Systems. (3) Munt
M-W 0945-1115 (Rm. 107 T. C.)
EE 541—Analytical Methods in Engineering 1. (3) Phillips
T-Th 0800-0930 (Rm. 107 T. C.)
EE 562—Random Processes in Engineering. (3) Ross
T-Th 0945-1115 (Rm. 107 T. C.)
PHYS 518a—Thermodynamics and Statistical Mechanics. (3) Rehn
T-Th 0945-1115 (Rm. 107 T. C.)

USC GRADUATE PROGRAM IN PUBLIC ADMINISTRATION

Fall Semester

PA 500—Fundamentals of Public Administration. Alden and Ritchie
PA 591—Research in Complex Organizations. McEachern
PA 575—Science, Technology, and Government. Clayton
Spring Semester
PA 513—Problems in Administration of Financial Resources
PA 516—Problems in Administration of Personal Resources
PA 577 Problems in Research and Development Administration

Exterior Trim To Be Painted

Capt. K. C. Abplanalp, Officer in Charge of Construction, has announced the awarding of a \$164,900 contract to the Morgan Painting Company of Palos Verdes Peninsula, California, for the accomplishment of the painting of exterior trim on various housing units on the Center.

Over 1,800 living units in nearly 1,100 buildings are included in this contract. Those houses to be painted during July, August and September

include units located at New Wherry, SSQ, Wasp Circle, JOQ and SSQ Saratoga.

Other units that will be painted before the termination of the contract at the end of December will include those located in Normac Duplex, Hawthorne, Old Duplex, Old Apartment and Capehart "A" and "B."

All units to be painted at this time have been selected based on the dates when their exterior trim was last painted.



VISIT NWC—Rear Admiral H. L. Miller (r), Naval Air Systems Command Test and Evaluation Coordinator from Patuxent River, Md., enters Michelson Laboratory, followed by Capt. M. R. Etheridge, NWC Commander, and Brigadier General C. D. Y. Ostrom, Jr., USA, (l). RAdm. Miller was here for technical briefings and a visit to Range facilities. Brig. Gen. Ostrom headed up an ad hoc study group on the consolidation of test facilities at NWC. The two visiting officers were feted to a no-host reception at the COM on Tuesday, July 21, which was attended by many NWC military and civilian employees.

REGISTRATION SCHEDULES

USCB Extension Program

Registration: 28, 29, 30 Sept. and 1 Oct.
From 10 a.m. to 12 Noon and 1 to 3 p.m.
Fall Quarter Instruction Begins: Monday, 5 October
USC Grad. Prog. in Engineering and Physics
Registration: 16, 17, and 18 Sept.
From 10 a.m. to 12 noon and 1 to 3 p.m.
Fall Semester Instruction Begins: Monday, 21 Sept.
USC Grad. Prog. in Public Administration
Counseling: 17 Sept. 12:30 to 4:30 p.m.
18 Sept. 8 to 11:30 a.m.

Registration: 18 Sept. 12:30 to 4:30 p.m.
Fall Semester Instruction Begins During Week of 21 Sept.
Exact meeting times for classes will be announced later.
Individuals that plan to enroll in the courses to be offered this Fall or that have questions concerning prerequisites or enrollment procedures are asked to contact the following:

Dr. A. G. Hoyem, Extension 3327 or 3328, regarding the USC Grad. Prog. in Engineering and Physics and the USCB Extension Program; and Cathy DeWolfe, Extension 2451, regarding the USC Grad. Prog. in Public Administration.



VISITOR FROM NEW ZEALAND—Flt. Sargeant James L. Anderson, of the Royal New Zealand Air Force, recently visited NWC under the sponsorship of the NAVORDSYSCOM for training in operational support and Quality Assurance of U. S. weapons being received for use in the Royal New Zealand Air Force. Prior to arriving at NWC, F/Sgt. Anderson also received training at Dahlgren, Va., Indianhead, Md., Yorktown, Va., and Crane, Ind. Capt. H. D. Parode, Assistant Technical Officer, presents Anderson with a Certificate of Completion which was signed by RAdm. T. J. Christman, Deputy Commander for Logistics, Naval Ordnance Systems Command.

Geology 6B To Be Offered By Desert Campus

A new course entitled Geology 6B, which deals with crystallography, will be offered this fall at the Desert Campus of Bakersfield College. This course will consist of a study of the silicate minerals and recognition of the more important forms of the different crystal systems. It is a continuation course for mineralogy, Geology 6A.

The class will be offered on Wednesday evenings from 6 to 9:53 p.m. in Room 4. The two-unit class will be taught by Dr. Carl F. Austin. The prerequisite for the course is Geology 6A.

Other new courses being offered this fall include:

Aeronautics 50, General Aeronautics, Monday, 7 to 9:53 p.m., Room D25. The three-unit class will be taught by Mr. Carlisle.

Animal Husbandry 10, Horse Production, Monday and Wednesday, 7 to 8:23 p.m., Room D26. The three-unit class will be taught by Dr. Jackson.

Chemistry 50, Introduction to Geochemistry, Thursday, 7 to 7:53 p.m., Lecture Room D29B, 8 to 9:53 p.m., Lab, Room 4. The two-unit class will be taught by Dr. Cleaves.

Drama 20, Introduction to Dramatic Literature, Tuesday and Thursday, 5:30 to 6:53 p.m., Room F02. The three-unit class will be taught by Mrs. Schwarzbach.

Electrical Technology 61, Vacuum Tube Theory, Wednesday, 8 to 8:53 p.m., Training Annex 2. The one-unit class will be taught by Mr. Weir.

English 28, Classical Mythology, Tuesday and Thursday, 5:30 to 6:53 p.m., Room D27. The three-unit class will be taught by Mrs. S. Rosenberg.

Medical Science 60A, Medical Terminology, Tuesday and Thursday, 7 to 8:23 p.m., Room L34. The three-unit class will be taught by staff.

Physical Science 21, Special Projects in Chemistry, time by arrangement, three hours per week, Room 4. The one- to two-unit class will be taught by Dr. Cleaves. The number of units is by arrangement.

Physics 10, Concepts in Physics, Tuesday and Thursday, 8:30 to 9:53 p.m., Room D29A. The three-unit class will be taught by Mr. Matulef.

Police Science 64, Juvenile Procedures, Tuesday and Thursday, 7 to 8:23 p.m., Room L35. The three-unit class will be taught by Sgt. Roy.

Sociology 21, Race and Poverty in American Life, Tuesday and Thursday, 7 to 8:23 p.m., Room M40. The three-unit class will be taught by Mr. Silva.

'Rock of Ajax' To Play Dance At Acey Deucey

The "Rock of Ajax," a popular dance combo, will play Friday, July 24 at the Club Chaparral, according to Hank Walker, manager. All members and guests are cordially invited to attend. Music will begin at 9 p.m. and will continue until 1:30 a.m.

'Outstanding' Ratings Earned By 90 At NWC

During the period of April 1, 1969 through March 31, 1970, 90 employees of the Naval Weapons Center, China Lake, received ratings of "Outstanding." This does not include Outstanding Performance Ratings awarded to employees of the Corona Annex.

However, Corona employees are included in the Incentive Awards Program annual report which covers the period from July 1, 1969 to June 30, 1970. This report lists 116 recipients of Beneficial Suggestions; 156 inventions; 41 Superior Achievements; and 155 Sustained Superior Performances.

The breakdown of all the awards are as follows:

OUTSTANDING PERFORMANCE RATINGS
OFFICE OF COMMANDER (00)—Richey, Donna J.; Rusciolli, Richard W.

NAVAL AIR FACILITY (18)—Hart, Donald R.; Holt, Lloyd J.

SUPPLY (25)—Bell, Jesse A.; Bertine, Woodrow F.; Bridges, Lois R.; Harbin, James G.; Marine, Barbara L.; Peacock, Gordon H.; Rogers, Lloyd L.; Smith, Barbara A.; Steppan, Bernard A.

SYSTEMS DEVELOPMENT (30)—Frye, Marvin J.; Revels, John D.

AVIATION ORDNANCE (35)—Crawford, Philip A.; Denson, John W. D.; Matthews, Phillip G.; McKeown, William R.; Moulton, Marc L.; Newman, Charles T.; Oldfield, M. Lee; Smith, Max R.; Thomson, Francis Lee; Yelland, Everett E.

MISSILE SYSTEMS DEPARTMENT (42)
(China Lake Liaison Office)—Orr, Roger D.; Wilson, Florine.

WEAPONS DEVELOPMENT (40)—Bachinski, Jane M.; Ball, James E.; Banks, C. Kenneth; Cummins, Harold; Francis, Ray; Galloway, Almer Burt; Homer, Paul B.; Jones, Donald L.; Kroupa, Edward; McMahon, Thomas; Mello, Richard J.

ENGINEERING (55)—Ayers, Kenneth N.; Bechtel, Lester; Boyt, Wesley E.; Craig, Margaret F.; Cram, Robert E.; Egbert, James M.; Gates, Allen; Green, Jesse J.; Heim, William J.; Kolaris, Nick J.; Kidwell, Mary Ellen; Lloyd, Merrell Y.; McLaughlin, Richard E.; Riggs, Robert E.; Sieckowski, Felix W.; Smith, Charles F.; Smith, Melvin W.; Sturm, Erma G.; Turner, Ruth D.

RESEARCH (60)—Ballew, Andrew J.; Krausle, Karl J.; Rinehart, Kenneth L.

PUBLIC WORKS (70)—Antrim, Donna M.; Barkhurst, Andrew L.; Beard, Wilbur J.; Bohannon, Tony D.; Burrell, Percy S.; Caldwell, Jack; Delgado, Joe G.; Hupka, Nicholas; Knight, Percy; Koog, Arthur R.; Mead, Charles R.; Moory, William E.; Padgett, Robert E.; Parry, Donald A.; Peterson, Leonard A.; Potts, Harry V.; Robertson, Gavin S.; Rockwell, Floyd E.; Russell, John W.; Sanders, James W.; Scovill, Myron L.; Steinhoff, Louis E.; Wilson, Thomas A.; Wooten, James M.

TECHNICAL INFORMATION (75)—Christman, Albert B.; Miller, Mary W.

COMMAND ADMINISTRATION (85)—Beistline, W. Edward; Burdau, Jack D.; Cohen, Eleanor S.

MEDICAL (88)—Wolz, Dessie Marie.

BENEFICIAL SUGGESTIONS
SUPPLY (25)—Beauchamp, Gordon E., \$85; Savings \$850; Bergens, Andrew J., \$250; Savings \$3,930; Trent, Castella E., \$145; Savings \$1,872.

WEAPONS DEVELOPMENT (40)—Clark, Wanda L., \$25.

ENGINEERING (55)—Wardell, John G., \$25.

RESEARCH (60)—Finnegan, William G., \$50; Miller, Barbara J., \$25; Steele, William W., \$25; Steele, William W., \$25.

PERSONNEL (65)—Chipp, Elmer A., \$25.

PUBLIC WORKS (70)—Cox, Elmer J., \$40; Savings \$354; Dome, Plier A.; Letter of Commendation; Jackson, Wayne R., \$25; Montegrande, S. N., \$290; Savings \$4,300; Pappé, James H., \$25; Pappé, James H., \$20; Paulsen, Cheryl L., \$25; Shields, Charles, Group, \$25; Lee, Mark T., Specht, W. E., Letter of Commendation; Trickett, Ronald J., \$100; Savings \$1,000; Whittier, Frank L., \$25.

SUPERIOR ACHIEVEMENT
INVENTIONS
1 Jan. 1970 through 30 June 1970

SYSTEMS DEVELOPMENT (30)—Afendykur, Marko, Boyle, John M., Group, \$100; Burt, Warren T., Hoffman, Herman J., Group, \$100; Jernigan, James L., \$100 (additional); Jones, Gerald N., \$50; Reed, Jerry L., \$50; Weisbrich, Henry T., \$100 (additional).

AVIATION ORDNANCE (35)—Sheffer, Sydney, Duff, Harold, Group, \$100; Smith, Max R., \$50.

WEAPONS DEVELOPMENT (40)—Alpert, Louis, \$100 (additional); Amundson, Paul H., Crou, P., Group, \$100; Banke, Kenneth C., Draut, Prescott D., Homer, Paul B., Group, \$150; Corzine, Robert G., \$50; Corzine, Robert G., Balstad, Bruce E., Johantgen, John S., Group, \$150; Craig, Jimmie M., \$100 (additional); Craig, Jimmie M., \$100 (additional); Hughes, Richard S., \$100 (additional); Hughes, Richard S., \$100 (additional); Hughes, Richard S., \$100 (additional); Jackson, Lloyd J., \$100 (additional); King, James B., \$50; Koff, Irwin, Holladay,

Samuel P., New Ronald D., Group, \$150; Nyswander, Reuben E., \$50; Rainsberger, Paul J., \$50; Smith, Warren K., \$50; Walters, Floyd P., \$100 (additional); Willard, Robert C., Craig, Jimmie M., Jackson, Lloyd J., Group, \$150.

PROPULSION DEVELOPMENT (45)—Cordle, Paul E., Alden, Edwin V., Zulkoski, Thomas R., Group, \$150; Faltermann, Charles W., Griffith, William J., Group, \$200 (additional); Foote, Kenneth R., Holdeman, John W., Group, \$100 (additional); Hanzel, Joseph W., \$50; Kaufman, Martin H., Roy, Edward M., Group, \$100; Kaufman, Martin H., Roy, Edward M., Sherman, Jack, Silver, Wallace, Group, \$200; Kaufman, Martin H., \$50; Kaufman, Martin H., Roy, Edward M., Group, \$100; Kaufman, Martin H., Roy, Edward M., Group, \$100; Lockwood, Donald W., \$50; Merz, Daniel, Jr., Simshauser, Anthony J., Group, \$100; Merz, Daniel, Jr., \$50; Neuhaus, Herbert M., Sherman, Jack, Silver, Wallace, Williams, Lloyd A., Group, \$200; Pakulak, Jack M., Jr., \$50; Smith, Lloyd E., \$200 (additional); Weinland, Clarence E., \$50; Witcher, Jay, \$50 (additional).

ENGINEERING (55)—Taylor, Vincent J., Zagala, Pasquale R., Moore, Bill, Group, \$150; Vandenberg, Bert P., \$50; Vanover, James L., \$100 (additional).

RESEARCH (60)—Adcoff, Arnold, Bischof, Kenneth H., Group, \$100; Austin, Carl F.; Halsey, Carl C., Group, \$100; Austin, Carl F., \$50; Bennett, Harold E., \$100 (additional); Clark, Richard S., Lininger, Ronald L. (Major, USAF), Reed, David W. (Captain, USA), Group, \$150; Colberg, Stephen R., \$100 (additional); Mallory, H. Dean, Marquardt, Frank R., Group, \$100; McEwan, W. S., Hammond, Peter R., Group, \$100 (additional); Merz, Edward W., \$50.

WEAPONS PLANNING (12)—Blen, Fred, Hugo, A. J., Kusterer, D. F., LaMarca, L. G., Group, \$200; Goettig, Alan H., \$350; Hugo, A. J., Kusterer, D. F., McIntire, J. W., LaMarca, L. G., Brown, Ben E., Meuser, N. J., Group, \$300; Latimer, Jack F., \$300; Sorensen, Margaret K., \$300; Thompson, Larry E., Newport, David S., Weimholt, James E., Blen, Fred, Parry, James T., Group, \$300.

WEAPONS DEVELOPMENT (40)—Auger, Gerald J., \$250; Berryman, Allyn R., \$300; Fees, Charles W., \$300; Hudson, George M., \$250; Scaffold, Donald L., \$250.

ENGINEERING (55)—Curtis, Maurice J., \$300; Deffes, Jules J., \$200; Deham, Juanita L., \$150; Fountain, Gilbert, \$300; Lamson, Nancy L., \$100.

PUBLIC WORKS (70)—Braem, Donald B., Tripp, Warren A., Group, \$100; Hutchins, Charles E., Wald, Oscar P., Palemont, Joseph J., Siepkowski, Louis E., Fava, Vernon T., Group, \$320; Parks, William E., Williams, Gladding D., Thompson, Russell E., Wood, Dennis L., Long, James E., Rhamy, Bill R., Driscoll, Douglas F., Tripp, Warren A., Braem, Donald, Koharchick, Albert P., Group, \$350.

TECHNICAL INFORMATION (75)—Huse, Edith V., \$200.

SUSTAINED SUPERIOR PERFORMANCE
1 Jan. 1970 through 30 June 1970

WEAPONS PLANNING (12)—Kistler, Richard E., \$300; Towson, Earl R., \$300.

NAVAL AIR FACILITY (18)—Herman, James C., \$200; Kirkpatrick, Jack H., \$200; Udell, Brunelle G., \$150.

SUPPLY (25)—Bertine, Woodrow F., \$200; Crowson, Jack C., \$150; Smith, Kenneth L., \$150.

SYSTEMS DEVELOPMENT (30)—Hartvigsen, Axel J., \$250; Highberg, Ivar E., \$350; Mearl, Walter, \$200; McGlothlin, George N., \$150; Mierla, Edward, \$200; Ralingson, Mary K., \$200; Soto, Daniel P., \$200; Smith, Walter K., \$300; Williams, Mary M., \$200.

AVIATION ORDNANCE (35)—Allen, Lucy L., \$200; Matthews, Phillip G., \$300.

WEAPONS DEVELOPMENT (40)—Gay, Donald C., \$250; Kneuever, Franklin H., \$350.

PROPULSION DEVELOPMENT (45)—Stevens, Mont J., \$250; Thomas, Robert N., \$250.

ENGINEERING (55)—Arentz, Syrell B., \$250; Bjork, Stanley P., \$250; Bouclin, Peter, \$300; Burckett, Mary E., \$150; Cram, Robert E., \$250; Egbert, James M., \$250; Eubank, Richard C., \$250; Gates, Allen B., \$300; Harrigal, George, \$200; Lantz, Kurt, \$250; Lords, Franklin D., \$200; Lynd, Jon Steven, \$200; McLaughlin, Richard E., \$250; Rogers, William P., \$250; Sieckowski, Felix, \$200; Smith, Charles F., \$250; Smith, Melvin W., \$250; Speckels, Betty L., \$200; Sticht, Douglas J., \$250; Sturm, Erma G., \$200; Sturgis, William D., \$200; Williams, Griffith W., \$250.

PUBLIC WORKS (70)—Aitchison, William, Jr., \$200; Antrim, Samuel K., \$250; Ba-coch, John, Jr., \$200; Barkhurst, Andrew L., \$200; Beal, Wilbur J., \$200; Burkholder, Earl E., \$200; Burum, Clyde D., \$250; Caldwell, Jack, \$200; Camos, Raymond L., \$200; Chadwick, Loren H., \$200; Choate, Johnny M., \$250; Clarke, Lloyd S., \$200; Clawson, Nolan R., \$200; Cloy-



SERVICE AWARDS—Lt. C. L. Anderson, Supply Officer at the Corona Annex, presented ten-year service pins recently to (l-r) Esther L. Smith, Frank J. Strand, and Helen Gray, employees in the Supply Division. A twenty-year pin award was also made to Mitchell F. Siepkowski, who was not present for the award due to illness.



SHIPS FOR TWO MORE—AMH-1 William F. Solway, his wife, Darlene, and children, Kathleen and Robert, were photographed with Capt. L. A. Dewing, Commanding Officer of NAF, following re-enlistment ceremonies held in Capt. Dewing's office recently. Solway, who has 15 years in the Naval Service, reported to NAF from U.S.S. Pine Island in December, 1966. He is Airframes Supervisor in the Operations Maintenance Dept. at NAF.

Former Officer In Flotilla 76 Feted to Party

Gary "Buzz" Bird and wife Billie, who will be leaving soon for Pensacola, Florida where Bird will attend school for advanced photography, were feted to a going away party by the Coast Guard Flotilla 76, for whom Bird held the office of Vice Commander and Courtesy Examiner during his tour of duty at NWC. Mrs. Bird held the office of Women's Advisory Committee for the Auxiliary.

A money tree was presented to the couple, who will leave August 13. During his tour here Bird was Supervisor of The ROCKETEER photo lab.

Bird is a former "Bluejack-et of the Month."

Wage Surveys Are Scheduled By OCMM for FY '71

The Navy's Office of Civilian Manpower Management, Washington, D.C., has released a tentative schedule of wage surveys across the nation to be conducted for the DOD Wage Fixing Authority during Fiscal Year 1971.

Wage surveys are conducted in private industry by Navy, Army, or Air Force in order to determine wage changes in the private sector since the preceding survey. Federal civil service employees in Trades and Labor Occupations have their wages set on the survey data thus obtained.

Trades and Labor employees at China Lake have their wages set administratively, but based on Los Angeles area rates. A recruitment and retention differential of .06 per hour is added to the Los Angeles area survey rates.

Trades and Labor employees at Corona Annex have their wages set on pay data collected from the San Bernardino, Riverside, Ontario area.

Both these areas are scheduled to be surveyed beginning in September 1970. For the Los Angeles area, the surveying organization will be the Long Beach Naval Shipyard. For the San Bernardino, Riverside, Ontario area, the surveying organization will be Norton Air Force Base. Each surveying organization will use the Wage Change Survey method where in those firms and job-titles used for last year's full-scale survey will be used for this survey. In a wage change survey, contacts with private industry are made primarily by telephone.

For further information or to have questions answered, call the Head, Wage and Classification Division, China Lake, extension 3196.

FOR AMERICA AND FOR YOU

Sign up for U. S. Savings Bonds, New Freedom Shares

IWV Residents Invited To Attend 'Fair Day' Fete

Families from all over the Desert Empire are invited to save the evening of Saturday, August 8, for an old-fashioned community get-together — a "Fair Day" sponsored by the Desert Empire Fair Committee, featuring a pit barbecue beef dinner served chuckwagon-style, and dancing under the stars to the western music of Wayne Paisano and his versatile Roadrunners.

Festivities will start at 6:30 p.m. with the unveiling of a stone monument listing the names of the original 100 community-minded citizens who donated \$35 each for a life membership, making possible the burning of the mortgage on the Desert Empire Fairgrounds Park at the first Fair Day in 1967.

For the preceding 24-plus hours, experienced barbecue chefs will have been busy preparing a side of beef in a specially constructed pit in the heart of the midway section. Following the brief ceremonies, they will be ready to serve up the tender succulent meat, the beans, and all the other proper accompaniments. Dancing will begin around 8 p.m. and last well into the summer night. Tickets are priced at \$2.50 for adults, \$1.50 for young people 12 to 18, and 75¢ for children under 12. Refreshments will be available all through the evening.

Tickets are now in the hands of the DEF Board of Directors, or may be purchased on the grounds following the dedication.

CTC Engineers Present Talk At IEEE Lunch

The Institute of Electrical and Electronics Engineers, Incorporated, will hold their regular monthly meeting Monday, July 27, in the Commissioned Officer's Mess at 11:30 a.m. A buffet luncheon will be served.

The program for the meeting will include engineers from the Continental Telephone Co., who will present a program entitled "Microwave Communications in the Indian Wells Valley Area."

All members and any other interested persons are cordially invited to attend.

Aetna Agent At Community Center July 30 and 31

The Aetna Insurance Representative, Mr. Howard Keenan, will be at the Community Center next Thursday, July 30, from 9 a.m. until 4 p.m., and Friday, July 31, from 9 a.m. until 3 p.m.

CHECK FOR FIRE HAZARDS

Sign up for U. S. Savings Bonds, New Freedom Shares



DEPUTY SHERIFFS—New hires and office personnel of the Police Division, NWC Security Department, were recently designated Kern County Sheriff's Department Deputy.

Sheriffs. This brought the total of Police Division employees who are KC Deputy Sheriffs to 100 per cent.

—Photo by PH3 M. V. Dias

Dr. O. A. Kearns Lists Symptoms Of Deadly Tetanus

Tetanus is a disease which must not be taken lightly, warns Owen A. Kearns, M.D., Kern County Health Officer.

"Tetanus, or Lockjaw as it is more commonly known, can be a deadly disease," Dr. Kearns says. "For example, in the years 1967-68, 34 cases were reported in California. Of these, 15 persons died as a result of the disease. Fortunately for Kern County, there has been only one fatality in the past five years due to tetanus."

Dr. Kearns indicates that tetanus may result from the most trivial scratch or insect bite. However, injuries most likely to lead to tetanus are deep puncture wounds and burns, because of the greater chance of infection.

Spores of the bacteria which cause tetanus can be found almost everywhere. They are present in the soil, street dirt and dust, animal droppings and particularly in manured soil.

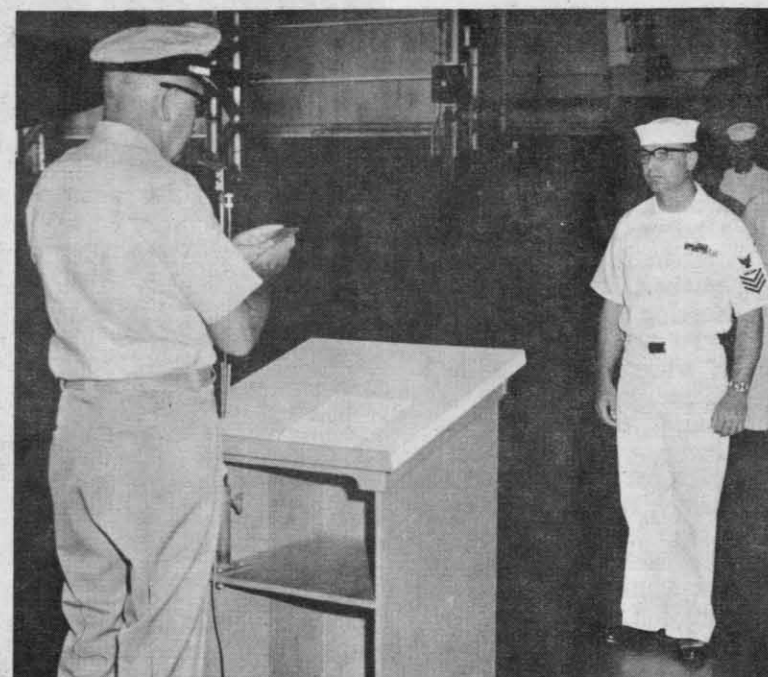
"Infection is almost always acquired through an open wound," Dr. Kearns points out. "Sometimes, the point of entry is so small that the victim is not aware that he has been injured."

"Once the disease takes hold, there is an increasing degree of muscle stiffness, especially in the jaw and neck. Other early symptoms are difficulty in swallowing, restlessness, irritability, headache, chilliness and pain in the extremities," Dr. Kearns explains.

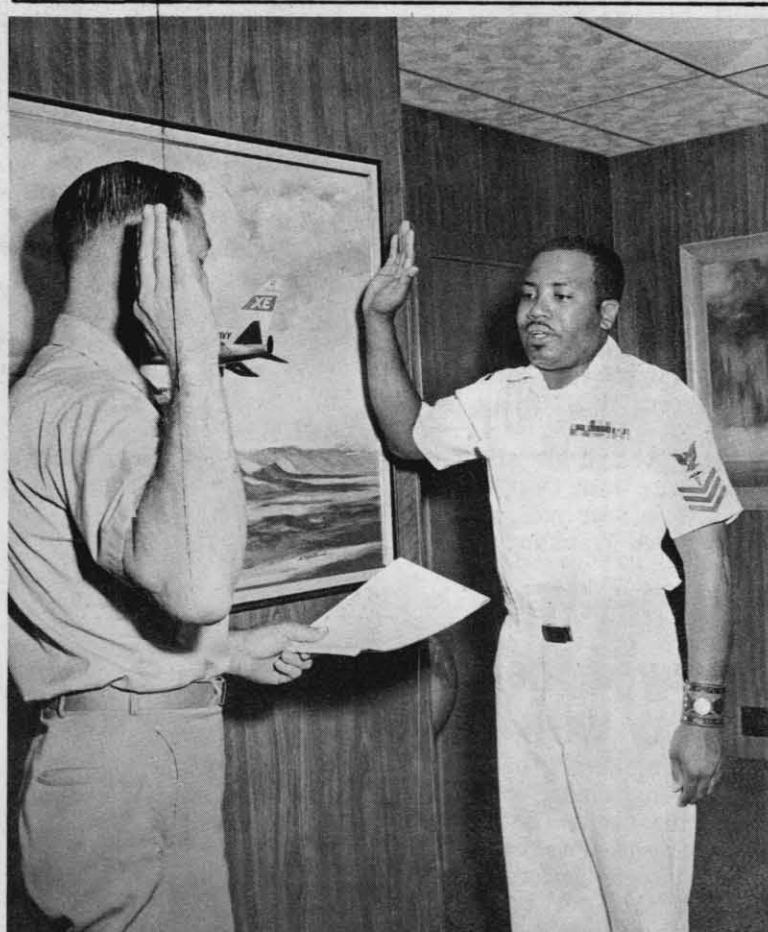
Once inside the body, the bacteria can produce a deadly poison. One-fourth teaspoon of this toxin is enough to kill 100,000 persons. "To prevent development of tetanus the poison produced by the bacteria must be made inactive before it reaches the nervous system," Dr. Kearns says. "This is accomplished by immunizing persons against disease."

Immunization with tetanus toxoid in D.P.T. should be administered early. Three injections are usually given to children beginning at 8 weeks of age through the 6th month of life.

"Booster injections are given again at 1 year of age and 4 years of age," Dr. Kearns explains. Additional booster injections should be administered as recommended by a physician.



NAF MORNING QUARTERS—Capt. L. A. Dewing, (l), Commanding Officer of NAF, presents AKI I. V. Watson with the Gold Hashmark Club card at Morning Quarters July 17 in Hangar 3. Watson has been at NAF since June 5, 1970, and serves as a Storekeeper in Warehouse 63. Watson is a 15 year veteran in the U. S. Navy, and he and his wife Marie reside on the Center.



LOVING SHIPS AGAIN—HM-1 Douglas Loving shipped over for the third time recently in a ceremony conducted by Capt. C. W. Fritz, C. O. of VX-5. The Hopkinsville, Kentucky native began his naval career in 1955.

HELP LINE ONE

Crisis Intervention

CALL 446-6531

FRA Branch 95 And Auxiliary To Install Officers

The Fleet Reserve Association Branch 95 and its Ladies Auxiliary will celebrate the 25th anniversary of the national organization by installing their officers for the coming fiscal year in consecutive ceremonies, beginning at 2 p.m. Sunday, July 26, in the clubhouse at 365 McIntire on the Center. Jack Langham, Regional President Southwest, will be the installing officer. In addition, the former local president, Phil Matthews, will serve as installing master-at-arms.

Elected executives to be sworn in are: George Stands, president; William "Buzz" McLeod, vice-president; Ralph Chaney, secretary - treasurer; and Don Billinger, Gary Kraft, Chester Pope, G. E. "Tommy" Thompson, Verne Tracey, and F. J. Wheeler, as directors.

Installing officer for the auxiliary will be Beatrice Jackson, past president, with Lorraine Porter to act as installing marshal and Marianne Kraft as installing sergeant-at-arms. Auxiliary officers for the new year are: Beatrice Tracey, president; Lelia Parker, vice - president; Willa Matthews and Verna Wheeler, secretary and treasurer respectively. Grace Driver will continue as chaplain, and Mrs. Driver, Mrs. Jackson, Shirley Schneider and Hilda Thompson will be sworn in as directors.

Following the installation ceremonies the men of the branch will barbecue steaks while the women will serve an accompanying buffet for members and invited guests.

Youth Center To Sponsor 4-Day Las Vegas Tour

The China Lake Youth Center will sponsor a four day, three night tour of Las Vegas, beginning July 27 at the International Youth Hotel.

The cost for the tour will be \$60 per youngster, which will include all meals and lodging.

The itinerary will include: swimming; sports activities; and tours of Lake Mead, Hoover Dam, Boulder City, Roger Springs, Valley of Fire and the Indian Area. A Teen dance will be held at the International Youth Hotel, and a selected major Las Vegas Strip show will be attended.

Registration is limited. For further information, call the Youth Center, NWC Ext. 2909 or 2259.

Teen Dance At Community Ctr. Tonight

A dance for teenagers between the ages of 13 through 20 will be held at the China Lake Community Center July 24 from 8 p.m. until 1 a.m.

"Tender Lovin' Care," a well known group in Southern California, will provide the music for the dance.

Admission to the affair, which is sponsored by the China Lake Youth Center, will be \$2 general and \$1 for Teen Club members.