Corona

(Continued from Page 1) originated as the West Coast unit of the National Bureau of Standards. NBS in Washington, had been charged with the research and development of guided missiles by the National Defense Research Committee in 1940.

By 1950, the size and importance of the work demanded more research space than was available at NBS in Washington. Because the Naval Hospital in Corona was being disestablished at that time, an agreement was reached between the Navy and NBS to use the former Rheumatic Fever Center-a complex of fifteen one-story interconnecting ward buildings-which had been used to treat tuberculosis, malaria, polio, and rheumatic fever patients, and were nicknamed the "fresh air and sunshine" wards. NBS moved into them in the summer of 1951. Two years later, government officials decided the missile research work was more properly a function of the military, so the NBS laboratory was transferred to the Navy.

Captain F. C. Manville, Naval Inspector of Ordnance at Pomona was assigned the additional duty of Commanding Officer of the Naval Ordnance Laboratory Corona, as it was to be called, on September 27,

The Laboratory continued to produce research and development in missile guidance, missile fuzing, telemetry, and basic research, for the next 14 years.

In 1967, the Navy's general establishment into "Centers of installation becoming a part of the Naval Weapons Center with new name would be, Naval Laboratories.

Defense announced actions "to and development of components and devices consolidate, reduce, realign, or an outgrowth of these analyses. Designs and close 36 military installations and analyzes systems using digital and analog signal processing techniques, with application activities." This announcement to signal analysis and tracking in dense included the terse statement, "The electromagnetic environments. Participates Naval Weapons Center Corona termeasures equipment. Prepares technical Laboratories, Corona, California, reports on progress of the work. Minimum will be consolidated with the Naval Qualification Requirements: As defined in Weapons Center, China Lake, Knowledge of theoretical and applied physics, California."

The following January the name was changed to the Corona Annex, Prasolowicz, Bldg. 34, Rm. 206, Ext. 2577. the separate identity being Sheetmetal Mechanic Heiper Wo-Sauch JD No. 151-1, Code 70422—Assists journeyman disestablished. Consolidation sheet metal worker by performing less skilled have had at least one (1) year of experience procedures have been going on duties of the trade. Keeping journeymen since. Final accomplishment was ordered to be completed on June as instructed. Performs simpler elements of copper, nickel, or other metal, and including 30, 1971.

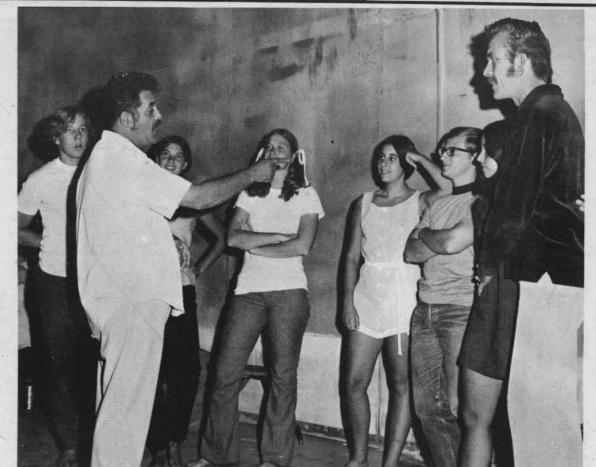
Administration Building 512. They

Handbook X-118C.

File applications and Supplemental Ex
to calculate mathematically the amount of current in correct proportions to surfaces and were: Naval Hospital Corona— perience Rating Forms with Dora Childers 1943-51; National Bureau of Code 657, Bldg. 34, Room 210, Phone 2393. Standards—1951-53; Naval OrdNo. 319, Code 704 (3 vacancies)—Operates

No. 319, Code 704 (3 vacancies)—Operates nance Laboratory Corona—1953- various pneumatic tools to break up or drill MacIntosh, Code 657, Ext. 2371. 67; Naval Weapons Center Corona hard surfaces, such as concrete, asphalt, and Laboratories—1967-70; Naval masonry. Drives truck on which air compressor is mounted to work site. Operates Weapons Center Corona Annex— jackhammer or paving breaker equipped with

manded the Laboratory during its Qualification Requirements: Rating will be on on air and surface launched guidance systems existence: CAPT. F. C. Manville—
the basis of the appropriate J-Element Standard in accordance with the CSC Hand-9-26-53 to 2-17-56; CAPT R. B. book X-118C. McLaughlin-2-18-56 to 1-15-59; File applications and Supplemental Ex-CAPT W. W. Wilbourne—1-16-59 to Code 657, Room 210, Phone 2393. 9-30-59; CDR. F. L. Yeo-10-1-59 to Clerk-Typist, GS-322-04, Code 702 AROICC-11-15-59; CAPT. H. E. Baker—11- Duties: Provides clerical support to technical 16-59 to 11-15-60; CDR. F. L. Yeo— Types correspondence, forms, endorsements, 12-7-60 to 3-16-61; CAPT. W. R. etc.: receives telephone and personal callers, Kurtz—3-17-61 to 12-5-63; CAPT. E. screening calls and referring to staff members or supplying information as appropriate. B. Jarman-12-6-63 to 12-6-67; Qualification Requirements: Applicants must CAPT. R. L. Wessel-12-7-67 to 10- meet qualification requirements of Handbook 24-68; CDR. R. E. Forbis—10-25-68 X.118. (Two (2) years appropriate experience: or education and or experience.) Job Relevant to 7-29-69; CDR. C. D. Brown-7-30- Criteria: Must be a qualified typist. Duty 69 to 6-30-71.



DANCERS RECEIVE INSTRUCTION—Jack talks to dancers from the library scene. From left Carter, Susan Rungo, John Scott, Diana Douglas adults and \$1 for students.

and LeRoy Carson. The play will be presented production, Meredith Willson's "The Music Man," center. Tickets are available at the Gift Mart, in Ridgecrest, the Station Pharmacy, or from they are: Mike Vernon-Cole, Pat Jauchler, Cathy members of the cast, and are priced at \$2 for

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

prepares technical reports on progress of the work. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job realignment of its research Relevant Criteria: Knowledge of radio and radar frequency systems, signal processing circuitry, and previous experience with field Excellence" resulted in the Corona and flight test of guided missile or radar

Physicist, GS-1310-9, 11 Code3543-PD No. 7135103-This position is located in the headquarters in China Lake. Its Countermeasures Branch of the Radar Division, Electronic Systems Department. Wespons Center, Corona phenomena related to radar and radio Incumbent performs analyses of physical frequency systems, with particular ap-In April, 1969, the Secretary of plication to electronic countermeasures and ounter-countermeasures. Conducts design CSC Handbook X-118 Job Relevant Criteria: digital signal analysis, and computer

File Application for the above with Sue Sheetmetal Mechanic Helper WG-38006-05, supplied with tools and work materials, and engaging in joint operations with journeyman Five separate names have appeared over the entrance to the Element Standard in accordance with the CSC

various tool attachments. Makes minor repairs and adjustments to air compressor and Ten Naval Officers have com- maintains it in operating condition, etc.

staff, as required to meet current workload. Station: China Lake, California.

SF-171 with Civilian Personnel Office, Bldg. 37,

Code 702. Social Science Anaylst, GS-101-13, Code 6505, PD No. 865002—This position is located in the Personnel Department. The incumbent maintains current information in the technology of behavorial and social sciences and makes that information available to the Center in lay terms, provides consultative services to other members of the Personnel Department, assists management of Personnel Department in applying behavorial sciences to the operation of the Personnel Department, consults with managers at all levels on Center to develop and apply the technology of organizational development. Minimum Qualification Requirements: 3 years of general experience and 3 years of specialized experience as defined in CSC Handbook X-118. Job Relevant Criteria: Skill all levels of management. Knowledge of how organizations function and ability to guide and direct managers and staff personnel in the use of behavioral sciences and consulting skills. Ability to establish effective interpersonal relationship. Advanced degree preferred. File application for the above with Sue

Electroplater, WG-37011-09 Code 5545, JD No. 186-Using electrolytic, immersion and electroforming methods, coats metal and plastic surfaces with chrome, nickle, cadnium, silver, gold, anodizing and aluminum coloring. Minimum Qualifications: Applicants must cleaning metal objects by immersion in a MacIntosh, Code 657, Ext. 2371. succession of cleaning baths and covering the trade alone, including use of tools on buffing and polishing to a bright and relatively rustproof finish. Job Relevant Criteria: Extroforming and anodizing of aluminum. Ability thicknesses to be deposited. Also fabricate jigs

and fixtures necessary to obtain high quality of File applications for above with Joan

Supervisory Electronic Engineer (General), GS-855-13 PD No. 7155041, Code 5522-This position is that of Head, Electronics Branch, Electro-mechanical Division, Engineering Department. The primary functions of the branch are electronic circuit design and analysis, system engineering, contract liaison and evaluation and analysis of prototype missiles with associated test equipment. The incumbent serves as a technical expert in the tronics (solid-state components, electromechanical units, microelectronic devices, other engineers (on Center, other Government agencies and contractor). He plans provides leadership in pursuing branch objectives and is responsible for achieving optimum utilization of the resources at his disposal. Minimum Qualifications: Engineering Degree with 3 years of professional experience in appropriate subject-matter fields, 1 year of which is equivalen to GS-12 level. Job Relevant Criteria: Ex-

perience in missile guidance systems and

established a reputation for leadership and creative technical capability in the electronic and micro-electronic fields.

MacIntosh, Code 657, Ext. 2371. Supervisory General Engineer, GS-801-13 PD No. 7155040 Code 5526—This position is that of Head, Control Design Branch, Electromechanical Division, Engineering Department. This Branch provides the engineering design and production monitoring of servo control systems, servo components, specialized servo devices, and related electronic components used on existing or advanced air or ground launched guided missiles. The incumbent supervises and consults with Branch employees as the integrate mechanical, pyrotechnic and electronic components to perform in a servo assembly the proper functions required in a in presenting ideas and new concepts orally to particular missile; renders advice and consultation services in complex servo design to the shole division and other technical departments of the Center and other development groups off the Center. Directs and supervises the Branch members through technical leadership, advice, guidance and other personal contacts. Minimum Qualifications: BS degree in Electronic or Mechanical Engineering and at least 3 years of professional experience in appropriate sub. ject-matter fields, 1 year of which is equivalent to GS-12 level. Job Relevant Criteria: M.S. Degree is considered highly desirable. Extensive experience in servo-mechanics is

File applications for above with Joan

Metallurgist GS-1321-12 PD No. 755117A Code metallurgical problems and is considered a Center authority in the science of metall He advises on the applicability of alloys and or metallurgical processing for specific applications: reviews metallurgical specifi cations on engineering documents of investigative and exploratory work for the purpose of enhancing metallurgical knowledge. Minimum Qualifications: B.S. next year." degree or combination of education and experience which would give applicant the technical and professional knowledge comparable to that which would have been acquired through successful completion of 4 year college-course as outlined in CSC Handbook X-118. In addition, 3 years of professional

The objective of the ratings is to inform arents about the suitability of movi

(G) - ALL AGES ADMITTED General Audiences (GP) - ALL AGES ADMITED

(R) - RESTRICTED ing Parent or Adult Guardian

"CAPTAIN NEMO AND THE

UNDERWATER CITY" (103 Min) Robert Ryan, Chuck Connors

(Science-Fiction) Jules Verne's daring captain rescues six shipwreck victims and takes them to his fabled city as they protest his plans to keep them there. They attempt escape from the city of gold. (G).

Short: "Teachers are People" (7 Min)

-MATINEE-"SWORD OF LANCELOT" (110 Min) Cornel Wilde

> 1 p.m. NO SHORTS -EVENING-

"THE HOUSE THAT SCREAMED" (94 Min) Lilli Palmer, John M. Brown

7:30 p.m. (Horror) Goose-pimple lovers will drool at this shocker about a school for girls in a Spanish villa where the student body gradually decreases. Was it harsh Lilli, the principal, or

Short: "Up Wind Down Under" (10 Min)

SUN and MON 4-5 JULY "THE PRIEST'S WIFE" (106 Min) Sophia Loren, Marcello Mastroianni

7:30 p.m. (Comedy-Drama) Rollicking fun as volatile Sophia falls in love with priest Marcello and the two become a public scandel as he tries to resign from the church. (G)

Short: "Sugar & Spies" (7 Min)

TUES and WED 6-7 JULY "GET CARTER" (112 Min)

Michael Caine, Britt Ekland 7:30 p.m.

(Crime-Drama) Jack Carter was a tough, unsympathetic London strongarm man who sought his brother's killers among the underworld. What emerges is an orgy of violence with romantic interludes. (R)

Short: "Jet Pink" (7 Min)

8-9 JULY THURS and FRI "THE BALLAD OF CABLE HOGUE" (120 Min)

> Jason Robards, Stella Stevens 7:30 p.m.

(Western-Comedy) Robbed and left on the esert to die, he found a waterhole and turned it into a gold mine! The whimsical story of a prospecting derelict and the town's pretty

Athlete (Continued from Page 6)

better than I had all spring. Normally when I play Mr. Boyd, I never get more than four games.

As yet, Beatty is undecided where he will attend college, but these objects electrolytically with a coating of 5516—The incumbent serves as a senior con- with his senior year still ahead of sultant to Center Project Engineers on him, Beatty is already hopeful of a

> "I've talked to Coach Gilkinson about a scholarship, and he said he thought I might be able to get one, Center developed weapons systems; conducts even if it weren't anything big. I'll just have to see how well I play

> level, Job Relevant Criteria: Degree in metallurgy, metallurgical engineering or equivalent. Must have an extensive industrial background in physical metallurgy with a broad knowledge and understanding of materials selection, processing, and applications that are peculiar to ordnance usage. File applications for above with Joan fields, 1 year of which is equivalent to GS-11 MacIntosh, Code 657, Ext. 2371.

om	PLACE STAMP HERE
o	

Corona Facility Formally Closed

occassion.

On that day, the Navy officially closed the doors on its weapons research annex. All activity has been transferred to Corona's parent, the Naval Weapons Center in China Lake, or to other Naval

The Flag sensing its role in the quiet mood descended falteringly as if to resist its last trip down the halyards. And "retreat", the traditional bugler's "sundown" signal, seemed a mournful note as it was relayed second hand through a tape recorder.

Only a handful of the thousands who in the past had tread her waiks were on hand to witness Sergeant H. H. Holmes lower the flag under the personal supervision of Commander Charles D. Brown,

Commander Brown has been Officer-in-Charge for the past two years, and it has been his task to carry out the disestablishment

In a message to Cdr. Brown, RAdm. Moran said:

"On the eve of the official closure of Corona Annex NWC, I want to commend you for a difficult job extremely well done. While I recognize that many other people ably assisted, the ultimate responsibility rested with you for coping with the myriad of details on a daily basis to ensure both minimum disruption of normal business and efficient closure.

"Thanks to you and many dedicated employees of Corona, the annex tomorrow will cease operations at the same high performance level that has been a symbol during its many years of existence.

"Well Done."

The order to close the Corona Annex and consolidate it with the Naval Weapons Center, China, Lake was issued in April, 1969. At that time there were 989 civilians



NEW WHITE OAK COM-MANDER-The Center has learned recently that Capt. R. L. Williamson, II, USN, former NWC Executive Officer, has been ordered to assume command of the Naval Ordnance Laboratory, White Oak, upon being relieved from his present post as skipper of the USS Sperry. Capt. Williamson served at the Center from September, 1966 to August, 1969.

The "Stars and Stripes" that employed. All of them have since flew over the NWC Corona Annex been re-assigned, transferred, fluttered down for the last time on retired, or resigned. Many of the Wednesday at ceremonies held at support personnel moved over to that facility to mark the historic the Fleet Missile Systems Analysis and Evaluation Group which was unaffected by the order.

For thirty years - almost to the day - the picturesque one-story buildings on the shores of tiny Lake Norconian have housed scientists engaged in highly secretive research in Naval ordnance. Contributions in no small measure have been made here to the continuing superiority of American military strength since World War

Standard ARM, one of the latest successful missiles in the Navy's arsenal, now moved to the Weapons Center in China Lake, listed Corona as its lead laboratory for research and development during its early days.

BAT, the world's first successful guided missile, was designed and built by the same group which had been working at the National Bureau of Standards as early as

All major Naval missiles in the intervening years have felt the influence of Corona experts, in one way or another. Components for Tartar, Terrier, Talos, Shrike, and Sidewinder, which represent older Fleet missiles, and more modern weapons, such as Bullpup, Harpoon, Walleye, and Phoenix were developed completely in the Corona installation. Electronics which guide the missile, detect the target, safely arm the warhead, or provide the final impulse to fire it were developed at the Corona

This work has now been reassigned and reestablished at four other Naval activities, as the official announcement stated, "in order to enhance the technical efficiency and management effectiveness" of newly established Centers of Excellence. The four are, Naval Weapons Center China Lake; Naval Electronics Laboratory Center, San Diego; Naval Missile Center, Pt. Mugu; and the Mare Island Naval Shipyard, San Francisco.

Over a thousand patents were issued to the prolific researchers at the laboratory. This record is judged second only to the Naval Research Laboratory Washington among all Naval Laboratories. Fred C. Alpers alone accounted for over 25 of them. Alpers was presented the Flemming Award for his outstanding work.

another famous employee, was known world wide in scientific circles as the discoverer of the sixth series of hydrogen; and also for his scientifically exciting work with infrared radiation. He was in recognition of his fine work for the Navy.

Corona was one of six globecircling stations which monitored sun spot activity, a phenomenon which greatly impairs radiation communications. The valuable research in this area was conducted under the direction of Verne E. Hildebrand.

The Corona research laboratory (Continued on Page 8)



over NWC's Corona Annex, as Cdr. C. D. Brown, ministration Bldg. Officer-In-Charge, and honored guests salute its

-- Rocketeer Photo



Vol. XXVI No. 26

Naval Weapons Center, China Lake, California

VX-5 Wins Meritorious Commendation Air Test and Evaluation ficer during the award period.

Wednesday in Hangar 1.

The award for outstanding "I think it's indicative of Capt. Moffett Field. service by a Naval unit was Fritz's ability that the squadron presented by Capt. V. M. received the commendation for VX-5 used the China Lake ranges Dawkins, Commander Fleet Air work during his tour at VX-5 so extensively that the squadron Alameda, who praised VX-5 for its (October, 1968 to October, 1969). 20-year record of excellence and its He is well-known by everyone in Lake in July, 1956. performance during the fiscal year the testing community for his 1970, for which the squadron leadership qualities and technical received the award.

During that year, VX-5 published more than 50 major and minor reports on squadron-developed tactics for air-to-ground weapons and attack aircraft.

In addition, the squadron guided the Fleet introduction of the A-7E and A-6C, aircraft with sophisticated weapons delivery Dr. Curtis J. Humphreys, systems, and developed tactics for their most effective use.

VX-5 accomplished this work despite a 40 per cent reduction in projects personnel and actually returned range funding to the Commander Naval Air Force, U.S. given a \$5,000 Meritorious Award Pacific Fleet, while suffering no decrease in project output.

The results of these evaluations were disseminated to the Fleet in the form of operationally oriented tactical publications, which were put to use in actual combat situations in Southeast Asia.

The squadron award is the unit equivalent to the Meritorious Service Medal awarded in October, 1970, to Capt. Charles W. Fritz, who served as VX-5 Commanding Of-

Squadron Five marked its 20th "It's unusual for a shore-based Coinciding with the presentation anniversary of operation in outfit to receive something like of the Meritorious Unit Com-

memorable fashion this week by this. Such awards are usually mendation, the Navy's thirdbeing awarded the Meritorious reserved for deployed units," said ranking unit citation, was the 20th Unit Commendation in ceremonies current VX-5 skipper Capt. Tex anniversary of the squadron's Birdwell.

know-how."

commissioning in June, 1951, at

During its early work, however, moved its entire operation to China

Originally created to develop (Continued on Page 4)



COMMENDATION FOR VX-5—Capt. V. M. Dawkins, Commander Fleet Air Alameda, attaches the streamer symbolic of the Meritorious Unit Commendation to the VX-5 squadron flag held by VX-5 Executive Officer Cdr. Bert Creighton. All military personnel who served with VX-5 anytime during the fiscal year 1970 will be eligible to wear the ribbon.



SHIPS FOR THREE -- YN1 Frank Cruz, VX-5's Reports Management supervisor, signs his re-enlistment papers after shipping for three more years. VX-5's Sailor of the Month for June, Cruz began his naval career in 1955 and reported to VX-5 in June,

(Photo by PH3 G. L. Smith)

Center Library Lists New Books

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

FICTION Chidsey-The Legion of the Lost. Francis-Rat Race. Hayes-Like Any Other Fugitive. Hobson-The Tenth Month. Levy-The Gods of Foxcroft Raucher-Summer of '42. St. John-The Sorcerers. Williams-Mr. Penrose.

NON FICTION Briggs-Your Child's Self-esteem. Carr-Creative Ways with Flowers. Colby-The Art and Science of

Taking to the Woods. Hachten-Kitchen Saferi. Kauffman-For Instance.

Larter-Sewing Children's Clothing made Easy. Mark-Astrology for the Aquarian

Oki-Practical Yoga. Rand McNally-Tour America

Straughan-The salt Aquarium in the home. Sunset-Furniture Finishing and Refinishing.

Tomkies-Duke Yarmolinsky--The Military Berne-Sex in Human Loving. Bombeck-At Wit's End.

Bourne-Ape People. Gould-Europe on Saturday Night.



DIVINE

MININ SERVICES

Sunday School—8:30 a.m., Chapel Annexes

1, 2, 4 (Dorms 5, 6, 8) located opposite Center

Holy Mass-5:00 p.m., Saturday (Fulfills

Sunday obligation); 7, 8:30 and 11:15 a.m.

Daily Mass-11:30 a.m. in Blessed

Confessions - 4 to 5 p.m. Saturday, and 8 to

NWC Jewish Services (East Wing All-Faith-

Sabbath School - 10 a.m. to noon, every first

Unitarian Fellowship (Chapel Annex 95, 95

King Ave.) - Sundays, 7:30 p.m.

Chapel)-8 p.m. every first and

and third Saturday.

Sacrament Chapel, First Saturday, 8:30 a.m.

Protestant (All-Faith Chapel)-

Morning Worship-10:00 a.m.

Roman Catholic (All-Faith Chapel)-

The Rocketeer

Naval Weapons Center China Lake, California

RAdm. W. J. Moran, USN **NWC Commander**

Technical Director

K. H. Robinson Head Technical Information Departmen

William P. Valenteen, Editor

> Jack C. Lindsey Staff Writer

Lucille Edwards **Editorial Assistant**

PHCS C. E. Bruce, PH1 D. C. Manderscheid, PH3 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 by a P 35, revised July 1958. Office at Nimitz and Lauritsen.

PROMOTIONAL **OPPORTUNITIES**

ROCKETEER

oplications for positions listed in thi dumn will be accepted from current NWC mployees and should be filed with th rsons named in the ad. All others desiring ployment with the Naval Weapons Center may contact the Employment Division, Code 652, Extension 2069. Current applications (SF-171) or Standard Form 172 should be ubmitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these position: Part of the ranking process of those rated a asically qualified will be a supervisory appraisal form that will be sent to the mployees present and most recent previous pervisor. Selection shall be made withou iscrimination for any nonmerit reason.

Librarian, GS-1410-7, PD No. 7085006, Code

1552, 1 vacancy—Incumbent has responsibility for the vertical file which contains pham phlets, articles from periodicals, maps and imilar items. The vertical file covers such subjects as local history, safety, travel, wildlife, careers, biographical items, current political items, items of interest to school children from kindergarten through college, and similar subjects of such recent origin that no books covering the subjects adequately conducts the research for this information assembles the items for filing, and maintains a catalog, with cross references, for the entire verticle file. Also assists patrons in locating their required information. This requires familiarity with the library collection of 26,000 volumes, the reference collection, verticle file and the serial collection. Hours of duty will Criteria: Must be a qualified typist. vary and incumbent will work both day and evening shift including Saturdays. Minimum Qualification Requirements: GS-7, Bachelors Degree plus 1 year graduate study or qualifying experience. Job Relevant Criteria: Background in classification and subject analysis desired. Advancement Potential: Possibly GS-9. File application for above with June Chipp.

bldg. 34, Rm. 206, Phone 2676. Supply Clerk (Typing), GS-2005-4, PD No. 7025013, 258-Keypunches data emanating from Stock Control Branch, Aviation Supply Division: prepares outgoing documents and subsequently processes, routes and or mails same; distributes all incoming documents and Qualification Requirements: One year of general clerical experience plus one year of ecialized experience in supply or related work. Job Relevant Criteria: Experience in

supply plus key punching ability. File applications for above with Naomi Campbell, Bldg. 34, Rm. 204, Ext. 3118. Clerk-Dictating machine Transcriber, GS-316-4, 6002 PD No. 7160025-Provides clerical, yping and related services to specialists of the Department Staff and for various senior scientists of the department as directed by the Head, Research Department Staff. Minimum Qualification Requirements: Two years of progressively responsible experience which ncluded, as a significant part of the duties the performance of typing and dictating machine

transcribing duties. Job Relevant Criteria:

Must be a rapid, accurate and neat typist,

possess a compatability for detail work and

must be pleasant and personable as a Clerk-Typist GS-322-4 PD No. 6925014, 2573-Responsible for the source coding of documents, keypunching of data emanating from the Stock Control Branch, preparation of outgoing documents, the subsequent processing, routing and - or mailing thereof, and the daily distribution of all incoming



OSBORN RETIRES — ADCS Donald Osborn is congratulated on his retirement by VX-5 Executive Officer Bert Creighton in Osborn's piping-over-the-side last week. A recipient of the Vietnam Campaign Medal and three Vietnam Service Medals, Osborn began his naval career in 1952.

(Photo by PH1 D. L. King)

documents to the Stock Control Branch. Minimum Qualification Requirements: Two years of progressively reponsible experience which included, as a significant part of the duties the performance of typing. Job Relevant Knowledge in keypunch is highly desirable. Voucher Examiner: GS-540-4, PD No. 6925008, 2575—Provides Voucher Examiner services on Blanket Purchase Agreements, Purchase Orders and Delivery Orders against GS Contracts for the payment of supplies andor services. Minimum Qualification Requirements: One year of general clerical experience plus one year of specialized experience in the type of work described above. Job Relevant Criteria: Experience in supply is desirable. Promotion Potential: GS-5

Purchasing Agent, GS-1105-6, Code 2522 PD No. 7025012-3-Responsible for wide range of purchases: must be knowledgeable in basic contracting techniques: must be able to determine as to the fairness and Radar Branch, Electronic Systems Depart evaluate and respond to a wide variety of visor's calendar, schedules meetings and considerations. Minimum Qualification perience showing general knowledge of purchasing procedures, practices or regulations plus two years of specialized experience which Minimum Qualification Requirements: 2 provided knowledge of commercial sources of supply, knowledge of comparative prices and Relevant Criteria: Must be able to work in familiarity with regular business and trade practices in buying and selling. Job Relevant of grammar and punctuation and be a skilled Cirteria: Familiarity with procedures incident typist. vancement Potential. GS-7 level.

Campbell, Bldg. 34, Rm. 204, Ext. 3118. assisting the Secretary to the Deputy maintenance allowance, etc. Technical and Technical Consultant in Processes all allotments, processes disreceiving telephone calls and office callers, charges and reenlistments, etc. Minimum composing intra-'center memoranda, making Qualification Requirements: GS-3 (Trainee appointments for the Deputy Technical position) I year of general clerical experience. Director, is responsible for all incoming mail, GS-4, 1 year of general clerical experience and maintains files and types correspondence from 1 year of specialized. Job Relevant Criteria: shorthand notes. Minimum Qualification Requirements: 2 years general clerical ex-

Morrison, Bldg. 34, Rm. 210, Phone 2032.

Electronic Engineer, GS-855-9, 11, or 12, is located in the Countermeasures Branch of the Radar Division, Electronic Systems analyses, design, and development of co ponents, devices, and systems which are used countermeasures. Works with RF, IF, video and audio frequency techniques. Applies these techniques to pulse, pulse doppler, and CW laboratory and field tests of countermeasures and counter-countermeasures equipment perience. Job Relevant Criteria: Must be qualified typist and stenographer, able to

courteous and neat in appearance Clerk-Typist, GS-322-4, CODE 3545 PD No 7135104—This position is located in the Aircraft reasonableness of prices: must be able to ment. The incumbent maintains the super-Requirements: Two years of general ex- telephone callers, screens incoming years appropriate clerical experience. Job formal methods of procurement and dependently, exercise good personal judgement, have thorough working knowledge

to the award and signing of contracts. Ad- File application for the above with Sue File applications for the above with Naomi Military Pay Clerk, GS-545-3 or 4, Code 1765 P.D. No. 7117013—Responsible for maintainin Secretary (Stenography) GS-318-4 Code 031, Navy enlisted pay accounts. Pay accounts are 7100006—This position is located in the Office of checked for correctness of all entries, inthe Deputy Technical Director. Duties include cluding the rate of pay, amount of clothing

(Continued on Page 8)



TID AWARD CEREMONY-Awards, consisting Whitson, 10 yr. pin; L. Rita Pirozek, 10 yr. pin; Accomplishment Award of \$200 to the Distribution (second row): K. H. Robinson, Department Head, Staff, were given during ceremonies held this who presented the awards; Hal Lindberg, 20 yr. offices. Those receiving the awards were, I-r, Glenn, 5 yr. pin; Jon Partin, 5 yr. pin; and Al (first row): Glennace Hudson, group; Wanda Christman, 20 yr. pin. Stahlman, 5 yr. pin; Kay Thoms, group; Margaret

of Length of Service pins and a Group Superior Barbara Auld, 10 yr. pin; Joan La Fon, group; week in the Technical Information Department pin; Raymond E. Campbell, 20 yr. pin; Robert

-Photo by PH3 Ronald G. Mills, USN

Employee In the Spotlight

John "Mel" Brawn, an en ployee of the Electronics Branch (Code 3531) of the Electro-Optical Division in the Electronics Systems Department, has been selected the Employee in the Spotlight for this issue of The ROCKETEER. Brawn came to NWC in 1956

and was employed by the Ap-

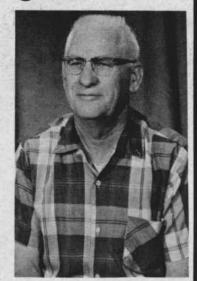
plied Optics Branch in the **Aviation Ordnance Department** where he worked under Bob Hummer. During that time he constructed the Ultra Violet Color Translating Flying Spot Microscope which was shown at ISA, Instrument Society of America Conference, in Chicago and at the fourth Navy Symposium, in Pasadena later that year. The microscope was built to explore the principals and basic factors involved in the translation of invisible radiations to the spectrum of visible colors.

Brawn's background in television was instrumental in his construction of the Flying Spot Microscope. He owned his own television repair business in San Diego from 1949 to 1956. Prior to that time he served with the Federal Government, when he rose in status from a radio mechanic in 1942 to an electronic technician in 1949.

Most recently he completed the design and construction of a small studio television system for the Technical Information Department. The studio combines four cameras, three video recorders, switching facilities and special effects facilities for making documentary video tapes. He is presently engaged in training personnel to use the equipment. Mel also worked on the NOTS-

project, an air-launched satellite system designed to measure the Van Allen Radiation Belt. Mel's contribution including building the transmitter and antannae system, as well as designing the modulation, sub carrier oscillators and packaging the device.

An interesting note is that Dr. W. B. McLean, former Technical Director of NWC, and



now Technical Director of the Naval Undersea Research and Developement Center, San Diego, has requested the Flying Spot Microscope project be reactivated and sent to him at San

A quiet man, Mel said "I'm not much of a joiner." He does belong to the BPOE and off and on has played the organ at various Elks functions. His hobbies of music and photography, however, take up only a little of his time. "I'm too busy these days," he said.

Mel is retiring with 22 years in civil service on August 20. He and his wife, LaVerne, have purchased a mobile home and move to Lakeside, California, where their daughter Esther Chitry resides. The couple also have two grown sons, Mel, Jr., and James Edward, both of whom live in California

'We're going to be doing a lot of traveling. We've got a Boles Aero trailer and we're gonna knock around the country a bit," he said, talking of his

Mel's hobby of shooting home movies will come in handy during his life in the future. He will record their travels and will also shoot some photos in 3-D. LaVerne enjoys ceramics and has been active in TOPS. The couple are active campers and in the past five years Mel has taken up fishing. "A relaxing hobby," he commented.



COMPLETES ACTIVE DUTY-NWC Legal Officer Lt. Larry Campbell accepts congratulations from NWC Commander RAdm. William Moran on his completion of active duty. Campbell, who remains a member of the inactive reserve, was joined at the ceremony by his wife Barbara.

July 4 Holiday Hours

(X-CLOSED)

CAT	The Party of the P		
SAT.	SUN.	MON.	
9 a.m5 p.m.	12 p.m5 p.m.	12 p.m5 p.m.	
x	X	X	
9 a.m6 p.m.	X	X	
9 a.m4 p.m.	X	9 a.m5:30 p.m.	
11 a.m1 a.m.	11 p.m11 p.m.	11 p.m11 p.m	
X	X	. X	
6:30 a.m1:30 p.m.	same	same	
X	X	X	
	X	X	
		X	
		X	
	X	X	
X	X	X	
X	X	X	
7 a.m7 p.m.	X	X	
11 a.m5 p.m.	1 p.m5 p.m.	1 p.m5 p.m.	
X	X	X	
9 a.m2 p.m.	X	X	
2 p.m9 p.m.	X	X	
9 a.m10 p.m.	X	X	
X	X	X	
9 a.m1 p.m.		X	
	X	X	
	1 p.m7 p.m.	10 a.m7 p.m.	
X ·	X	X	
Se	e Showboat Colum	n	
(Closed	(Closed Tuesday, July 6, ONLY)		
	9 a.m6 p.m. 9 a.m4 p.m. 11 a.m1 a.m. X 6:30 a.m1:30 p.m. X X X X X X X X X X X Y 7 a.m7 p.m. 11 a.m5 p.m. X 9 a.m2 p.m. 2 p.m9 p.m. 9 a.m10 p.m. X Se X Se	X X X 9 a.m6 p.m. X 9 a.m1 a.m. 11 p.m11 p.m. X X X X X X X X X X X X X X X X X X	

Chess Club Sets **Tourney Date** At Clubhouse

ROCKETEER

The China Lake Open Chess Tournament will begin at 2 p.m. on Saturday, July 3 at the Chess Club Building on McIntire Road. The public is invited to participate in the tournament.

Entry fee for the six-round competition is \$4. Five prizes will be awarded in various categories to winners of the tournament. The first prize will be \$30 and free membership in the Chess Club. There are also prizes for the top woman and top junior in the tournament.

Further information may be obtained by Calling Steve Katona. the club president, at 375-9289 or Wayne Silva at 446-2907.

The public is invited to attend the regular session of the Chess Club on Saturdays from 1:30 to 6 p.m. at the Chess Club Building. Club members are willing to compete with newcomers at chess and there is a variety of literature available on the subject.

Youth Center Movie Matinees

(All pictures begin at 1 p.m.)

THE GUNS OF NAVARONE Gregory Peck, David Niven and Anthony Quinn

Based on the best-selling novel by Alistair MacLean, this story deals with a British Commando team sent to destroy the German made, impregnable guns of Navarone. These gun emplacements, chiselled out near the top of a treacherous cliff, are inaccessible by land, sea or air attack. Approaching the island, the Commando team encounter a storm and barely manage to reach the island shore, before their boat sinks. Though stranded, they mus complete their mission. Thrilling suspense action and gripping tension for the whole

> (Color - Action-Adventure) -Second Feature-

THE FROG PRINCESS Based on a fairy tale by the Brothers Grimn A dramatic and exciting story about a princes who is changed into a frog by an evil wizard. A' marvelous fantacy.

> (44 minutes) (Color - Animated Cartoon)



A Look Into The Past From The Rocketeer Files

25 Years Ago . . .

Cdr. Alcorn G. Beckmann relieved Cdr. J. O. Richmond (who retired) as NOTS Executive Officer. Capt. Beckmann, now retired, resides on Hwy. 14, south of the Hwy. 178 junction...NOTS was boosted into the national limelight when Frank J. Taylor's feature article about the Station, "The Navy's Land of Oz," appeared in the June 29 edition of the Saturday Evening Post. The article told of the two and one-half year history when the Navy began its gigantic rocket research program to the development of an \$85,000,000 test station on the Mojave Desert at the time of the Japanese surrender. Cdr. Richmond was quoted in the article as saying "We've got everthing Palm Springs has except the reputation..."...Western Union shifted its office from Inyokern to the north wing of the new Command Administration Bldg., since the bulk of service was to and from the Station. Mrs. Laura Chapman was supervisor and with seven employees operated the new office from 7 a.m. until 11 p.m. daily...The printing process for the ROCKETEER in those days required photo engravings from Los Angeles, and there was the problem of getting the film to Los Angeles and then getting the engravings back to use in the paper not too long after the incidents

15 Years Ago . . .

The grand opening of NOTS \$90,000 nine-hole golf course was held Saturday, June 30, 1956. Capt. F. L. Ashworth, Station Commander, officiated at the ribbon cutting ceremonies and hit the first ball. Dr. W. B. McLean, Technical Director, and H. G. Wilson, Associate Technical Director, participated in the ceremonies which were attended by many honored guest from both on and off the Station...-President Dwight Eisenhower signed into law a bill sponsored by Senator John Sparkman that was intended to provide critically needed housing for essential employees of the Armed Forces, primarily those connected with guided missile and rocket development ograms...Capt. G. H. Carrithers, Public Works Officer, stated the a Pacific Gas and Electric Company survey party visited the Station to determine a feasible route for a possible natural gas line in the future...John H. Wilson, head of the Editorial Branch in the Publishing Division of TID had an article published in the June 17 issue of the Chicago Tribune titled "Physicist with a Fiddle," based on facts compiled by Wilson in a biography of Dr. A. A. Michelson. the famed physicist for whom the Station's main laboratory is named.

5 Years Ago . . .

The carillon bells of NOTS All Faith Chapel joined in the nationwide "Bells of Peace Program" on July 4th, when bells were sounded throughout the country as an expression of peace and freedom. The bells and carillons as an expression of peace and freedom. The bells and carillons of all buildings rang for four minutes to coincide with the ringing of the bells at Independence Hall in Philadelphia, Ringing of the Independence Hall bells each fourth of July was originated by President Kennedy...Cdr. P. Paul Romantum, reporting from Taipei, Taiwan, relieved Senior Chaplain Mark E. Fite... The desert's "Giant Book of Knowledge" was opened for young people when the Maturango Museum sponsored its third annual Summer Youth Workshop under the supervision of Junior Director Barry Boyer. The program consisted of talks, movies, field trips, and workshops for the classification and mounting of field-trip finds in the heritage-rich environs of Indian Wells Valley.

RECKETEER SPORTS

NAF Jumps Into Tie For Second; ACE-TV Leads

Cozzucoli slammed solo round

trippers in the first and second

innings as the Maulers grabbed a 9-

The Merchants rallied for three

Bud Eyre kept in the race for

Tom Haus gave Bud Eyre a 2-0

second by pounding the Valley

lead in the first on a homer with

Buddy Deffes aboard, but the

Merchants took the lead in the

Bud Eyre did not score for three

more innings, but in the top of the

scored-16 runs, as Wally Par-

menter, Tom Short and Jim

Ace won its only game of the

Bradberry all reached base three

week 5-1 over A & L and opened up

league. Gilpin's seventh inner

as Bert Balloway allowed only

times in the inning.

Merchants, 18-3, in five innings.

of the season, the NAF Hawks have learned their lesson after losing rallied to win six of their last nine twice in extra innings the week games. And last week they jumped before. After retiring A & L in into a tie for second place by order in the top of the eighth, the topping A & L Tire, 12-8, in a head- Maulers scored the winning run to-head challenge.

NAF trailed, 7-6, after two in- Kovar and Denny Johnson and a nings, but a two-run rally in the wild throw produced the winning third put them ahead to stay as run. Steve Wittrock held A & L to one run over the last five innings.

The Hawks jumped off a 4-0 lead in the top of the first on two walks, an error and Jack Andrews' tworun double. A & L stormed back and scored three in the bottom of the first and five in the second including two on Andy Gilpin's first of two homers.

A walk, a single and two wild runs in the third including Cary pitches by A & L pitcher Dale Dabbs home run, but never Britton brought in the lead runs for recovered from the early deficit NAF in the third and the Hawks and fell 7 ½ games off the Ace TV added runs in the fifth and seventh pace. and two in the sixth to put the game out of reach.

Gilpin's solo homer in the bottom of the fifth provided A & L's final

The Maulers had their finest week of the season (in fact, their only week of the season) and won twice in slugfests, their first when they dropped A & L out of sole possession of second place with a 11-10 extra inning triumph.

A double by Gary Maxwell and triples by Tony Cozzucoli and Paul Amundson drove in five runs in the second to put the Maulers in front,

Gilpin provided the fireworks for A & L again by drilling two home runs and a single as A & L rallied for three runs in the fifth and seventh and two in the fourth to tie the Maulers, 10-10.



BADMINTON CHAMP—Blaine Davies displays the smash that carried him to the NWC badminton championship last week. He defeated Bob Corzine twice in the double-elimination finals to take the title.



ROCKETEER

LOSING EFFORT—A & L Tire's Mike Albers round third to score as coach Tom Taylor watches in A & L's three-run fifth inning against the Maulers June 22. Despite the rally, A & L lost to the Maulers in

Discrepancy In Point Count Corrected; Rocketeers Take Four

of the Code 30 team, a discrepancy match. Easley and Seibel won for in the number of points won oc- 3563. Palmer, Wolfson and Morey curred in last week's Rocketeer for each took a point in the match the total number of teams. Counting play on June 29, the total number of points won should read 256. After checking the records kept by Special Services, the revised and correct standing are

action on June 29, the fifth scored--and scored--and Rocketeers took four points from the Iron Men, three of them by match from Don Banks for the final point.

The league leaders, Code 5563, managed to win only one-half point a 3½ game lead on the rest of the from a charging Code 551 foursome, and the two teams are now homer provided A & L's only run, tied for the league championship, one-half point ahead of the Duffers and NAF. The Duffers took three from the Officers; Tsubakihara, Eyer and Smith winning those points, while Ed Brooks took the lone point for his team. Code 551 teammates Nelson and Lloyd won a point each, while Wiggins tied with Chris Peterson. NAF took 2.5 points from the Chaparrals. Blue won for the Chaps and Sanitate tied with Larry Boyd. Heflin and Gire scored victories for NAF.

Joe Dorgan tied his match with Clark and Bob Young won his game to keep Code 3563 from

According to Bob Young, captain making a clean sweep of their between the Sandbaggers and Transportation. Elmer Davis scored the lone point for the Transportation crew.

Central Staff split with Code 3532, Kaylor winning a point and Warren Stelzmiller and Ed Sopke splitting with Jones and Newkirk. Thomas won a single point for 3532. The Bat Chiefs took 2.5 from the default. Jack Lindsey won his General Engineers; Faberman and Davenport each won a point enough to make the varsity and and Harris and Chamberlain split their match. Kruse took one for the We won about half of our mat-

	Points
Code 5563	
Code 551	
NAF	altrik st
Duffers	
Code 30	
Chaparrals	
NWC Officers	
Transportation	
ROCKETEERS	
Sandbaggers	
Central Staff	The Last
Code 3532	
Bat Chiefs	
General Engineers	
Titleists	
Code 3563	
Iron Men	

Davies Wins NWC Badminton Title They defeated Jim Amparano

After losing in the second round of the NWC badminton championships, a determined Blaine 4, 15-6. Davies fought through the losers bracket and returned to defeat Bob Corzine twice for the singles title.

Davies, the Sacramento State badminton champion, fell to Corzine early in the tournament, but went undefeated through the losers bracket to confront Corzine

Davies won the first match 15-12, 13-15, 17-15 and then took the rubber match and the championship 15-9, 15-10.

Corzine was not to be denied in the doubles, however. He and partner Everett Hill did not lose a game in going undefeated through the tournament.

League In Search Of

Fall Bowlers

Women bowlers are needed to compete in the Women's Scratch League at the Hall Memorial Lanes. Any woman interested in joining this league, the finest women's league in the Valley, (which begins competition in the fall), are asked to contact Jeanne Crom, League president, at 375-9626.

Beatty's Tennis Win Nets Him Athlete' Honor

Quiet, modest Chuck Beatty, who ranked as the finest singles player in Golden League tennis this spring and then won the men's singles crown in the China Lake Tennis Club's spring tournament, has been selected NWC's Athlete of the Month for June

Seeded fourth at the start of the tournament, Beatty won easily through the quarterfinals before pulling the upset of the tournament to defeat defending champion Dick Boyd in the semifinals. The following day he defeated Gary Fry in the finals to climb to the top of Indian Wells Valley tennis in a mere two years.

An occasional player until the spring of his freshman year, Beatty began playing in earnest with the Burroughs High tennis

"I hadn't really played seriously



before then," he says. "I was lucky played doubles with Ted Ribultan.

Beatty and Ribultan improved in Won the year that followed, and as 19.5 sophomores were the best doubles 19.5 team in the Golden League. They went 11-2 and journeyed to the CIF championships where they lost in the first round to a team from Santa Monica.

"It didn't really matter that we lost. If we'd won, we would have 16.5 had to play the No. 1 seed 14.5 anyway.'

As a junior Beatty switched to singles and compiled a 13-1 record--the best in the Golden League.

12.5 But because of a last-minute change in league rules, Beatty was not allowed to play in the CIF championships without first defending his title in a post-season Golden League tournament. Beatty and the rest of the team-the best in Burroughs history-and Les Basemore in the finals 15protested the tournament.

"The team got together with Coach Bob Gilkinson and we decided we wouldn't go to the tournament. It was a group decision."

With the CIF disappointment still vivid, Beatty began the China Lake Tennis Club tournament.

In singles and doubles, he and Ribultan quickly made their presence known, as they topped seeds in both singles and doubles. Together they went to the semifinals in doubles and then Beatty went on to take the men's singles title.

"During the tournament I played (Continued on Page 8)

NWC Inspection Marks Retirement Of Three

service to the United States Navy culminated Wednesday, June 30, when three NWC officers retired from duty. Officers and enlisted men from NWC stood inspection in honor of the traditional ceremony for Capt. K. C. Abplanalp, CEC, USN, Cdr. S. S. Bates, USN, and Lt. Richard I. Taylor, USN. RAdm. W. J. Moran, NWC Commander, officiated at the ceremony and presented each officer with a Letter of Commendation. In addition, Cdr. Bates received the Meritorious Service Medal.

Friday, July 2, 1971

The retirement ceremony, which was held on the lawn of the Administration Building, began when officers and enlisted ranks formed on the Administration Circle, followed by a concert by the U.S. Marine Corps Supply Center Band, from Barstow.

Following the trooping of the colors RAdm. Moran and the retirees inspected the troops. This was followed by remarks by the Commander and the presentation of retirement certificates and correspondence to the retirees.

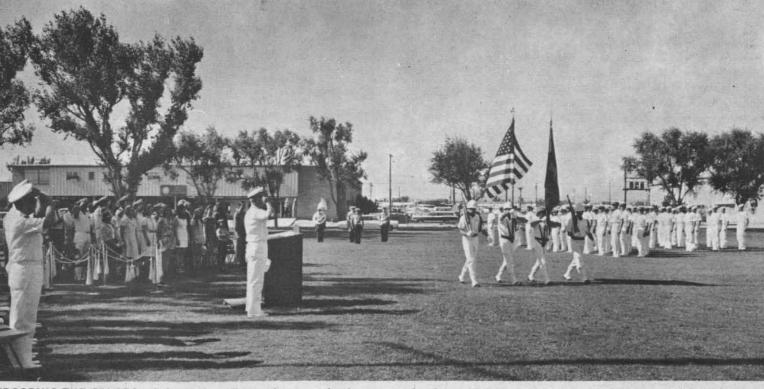
The time-honored tradition of "piping the retiring officers over the side" took place and "side boys" for the ceremony were: Capt. G. W. Jauchler, MC, USN, Senior Medical Officer; Capt. A. E. May, USN, Deputy Commander of NWC; Capt. R. S. Moore, USN, NWC Technical Officer; Capt. T. D. Stephenson, DC, USN, Senior Dental Officer; Capt. E. M. Wieseke, SC, USN, NWC Director of Supply; and Capt. W. H. Sturman, CEC, USN, the new Public Works Officer, who will replace Capt. Abplanalp

Capt. R. E. Osman, NWC Chaplain, closed the ceremony with a benediction.

Friends and families of the three officers then took part in a reception held in the Conference Room of the Headquarters Building.

Cdr. Bates, who served as Head, Command Administration at NWC, officially retired June 30, 1970, but was extended for one year in order to continue at NWC. The Meritorious Service Medal citation presented him read in part: "For outstanding meritorious service as Head, Command Administration on the staff of the Commander. Naval Weapons Center, China Lake, California, from July 1969 to (Continued on Page 4)

Shelley Lynn Bates cut the cake.



TROOPING THE COLORS -- Prior to the retirement ceremonies for Capt. K. C. Abplanalp, Cdr. S. S. Bates and Lt. R. I. Taylor, officers and men of NWC stood at attention while the colors were marched past the reviewing stand. The three retiring officers later inspected the

ranks along with RAdm. W. J. Moran, NWC Commander. Families of the retirees attended the ceremonies, held on the Administration Building lawn.

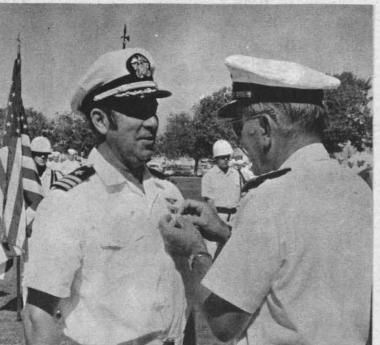
Photos By PH3 Ronald Gray Mills



FATHER AND DAUGHTER CUT CAKE—A reception was held in the Conference Room of the Administration Building for the three retirees and their families and friends. Cdr. Bates and his daughter



CAPT. ABPLANALP SERVES HIMSELF-Former Public Works Officer, Capt. K. C. Abplanalp helps himself to a piece of cake at the reception. RAdm. Moran, NWC Commander, coffee in hand, awaits



CDR. BATES DECORATED-RAdm. W. J. Moran, NWC Commander, decorates Cdr. S. S. Bates with the Meritorious Service Medal during the retirement ceremony. Cdr. Bates was honored for his work at NWC while Head of command Administration.



LT. TAYLOR JOINED BY FAMILY -- Lt. R. I. Taylor, his wife, Elsie and son, Richard I. Taylor, made no plans as yet for his retirement, other than

relaxing. Lt. Taylor's service began as an enlisted man just three weeks prior to the attack on Pearl Jr., attended the reception. The Taylor's have Harbor. A second son, Lt. (jg.) Robert B. Taylor, was not able to attend the ceremony.

Friday, July 2, 1971

NEW EDUCATION DIREC-

TOR-Dr. Gilbert J. Plain has

been appointed to serve as the

Education Director, Code 04,

replacing Dr. Albert G. Hoyem,

who will retire. In addition to

these duties he will serve as a

Center consultant in physics,

and will review and-or arrange

for review of Industrial IR&D

proposals forwarded to the

Center for evaluation, and will

also continue as Chairman of

the Publications Security

Review Panel. The position of

Education Director will be

redesignated as Education

Director-Consultant, Code 6009.

The office will be relocated

from the Training Building to

Room 1019, Michelson Labora

Housing Lists

New Schedule

For Sweeping

Effective July 6, 1971, a new

schedule will go into effect for the

sweeping of streets in various

housing areas on the Naval

In the Wherry and Capehart Site

"B" housing areas, there will be no

parking on the even numbered side

of the street between 7:30 and 11:30

a.m. Tuesdays. There will be no

parking on the odd numbered side

of the street between 12:30 and

4p.m. Tuesdays. Since water

running or standing in the street

prevents the sweeper from

removing refuse and dirt at the

curbs, there is no watering from

Noon Monday to 4 p.m. Tuesday.

In the Capehart Site "A", Hill

Duplex, JOQ, and SOQ housing

areas, there will be no parking on

the even numbered side of the

street between 7:30 and 11:30 a.m.

Thursdays. On the odd numbered

side of the street there will be no

parking between 12:30 and 4 p.m.

Thursdays. Watering is prohibited

between Noon Wednesday to 4 p.m.

These new schedules are being

put into effect to make it easier to

clean the streets in the affected

housing areas while posing less of

an inconvenience to the residents.

Persons with any questions should

contact Larry Sullivan, extension

The Board of Directors of the

Naval Weapons Center Federal

Credit Union at their last

monthly meeting on June 17,

1971 declared a quarterly

dividend for the Second Quarter

1971 for members' shares at a

rate of 6 per cent per annum.

Thursday.

Weapons Center.

-Serviceman's Benefits

Customs Breaks

(This is the sixth in a series of articles on the breadth of servicemen's benefits available to members of the Armed Forces with which they and their dependents may or may not be familiar. In this context, the ROCKETEER will be featuring detailed subject explanations of various related topics in upcoming future issues.)

It just doesn't seem possible, that day is almost here. "That day" being the day you get on a jet and head for home after a tour of duty in the Armed Forces over-

trip may consist of throwing the threads in a suitcase, putting the uniforms in a duffle bag, and mailing those souvenirs ahead so you don't have to carry them.

For a family, the move back to the States and a new assignment is headquarters. a lot different. You sort out the things you will need in the new house, those that will go into storage for the "home to call our own" part of your life's plan, and decide what exotic souvenirs you

Duty Free Entry

Whatever your packing and shipping problems, one of the many benefits you receive from service in the Armed Forces is the duty free entry of your personal and household effects when you return to the States from an overseas assignment. Even if you mail your effects home ahead of your trip, they will be admitted duty free if you have made the proper arrangements.

You play a very important part in claiming this service benefit.

When you get ready to ship or mail personal or household goods, you must fill out Cutoms For 6061 or Department of Defense Form 1252, "Declaration and Entry for Personal and Household Effects." A copy of this form and a copy of your orders must accompany mailed items and be included in any shipment made for you.

Remember now, there are no customs exemption if you are returning to the U.S. of temporary duty, on leave, or for personal reasons before the end of your overseas tour. This holds true whether you are on orders or not.

Restricted Articles

There are certain categories of articles which may be detained by Customs if you try to bring them home. Included are pet animals, like the monkeys, snakes, birds, and dogs that servicemen seem to collect wherever they go. Other restricted items are fruits, vegetables, plants and plant products, certain items which bear trademarks, and certain types of television sets and microwave ovens. There have been items added and removed from this list, so check with your transportation office for the latest word.

There are other items which cannot be brought into the U.S. These include military firearms, narcotics, lottery tickets, obscene materials, wild bird feathers and skins, and items made in Cuba, North Vietnam, or North Korea are among those which will be confiscated when found by Customs agents. They cannot be returned to the importer. Again, there are other items on this list. Your transportation office will be able to give you the full listing of prohibited articles.

Mailed Gifts and Cars

Another benefit you have from serving overseas is being able to mail gifts to your friends back in the United States. Gifts up to the fair retail value of \$10 may be sent If you're single, packing for the to friends in the U.S. Under certain circumstances you can send gifts up to \$50 in value if they are sent while you are serving on active

> All gifts must be well wrapped and clearly marked on the outside with the words "Gift Enclosed."

When you finally reach the end of the overseas tour, you may even include a foreign-made car as part want to display from the overseas of your personal effects. But, to get this benefit you must have actually had the automobile in your possession while overseas. In other words, a car purchased by you but which was never actually delivered to you will not be entitled to free entry.

> There are other bits of information you may find useful when it comes to planning for "that day." To get the information, write to the Bureau of Customs, Department of the Treasury, Washington, D. C., 20226, and ask for their pamphlets "Customs Highlights for Government Personnel," and "U. S. Customs Trademark Information."

> Copies of the HEW pamphlet "Electronic Product Import Information" may be obtained from the Bureau of Radiological Health, Division of Electronic Products, 12720 Twinbrook Parkway, Rockville, Maryland, 20852.

Duty-free entry of your household goods and personal effects is a valuable benefit. Do not abuse it by sending items for others not eligible for this benefit.

Management Is **Discussion Topic** At ASPA Meeting

The China Lake chapter of the American Society for Public Ad-July 1971 . . . Commander Bates technical competence have been ministration (ASPA), will present a panel discussion on Management at the Naval Weapons Center," with E. V. Alden, Moderator, at the group's next meeting Wednesday, July 7 in the Mojave Room of the

Commissioned Officer's Mess. The meeting will get underway at 7:30 p.m. Top management personnel from NWC will respond to questions put them by recently hired professionals in an effort to promote a free flow of information on current management topics.

In addition, officers and Council members for the coming year will be introduced, followed by the presentation of the Bjorklund Management Innovator Award. All ASPA members and other

The China Lake Golf Course will be open Monday, July 5, but will be closed Tuesday, July 6.



BIRTHDAY -- VX-5 Commanding Officer Capt. Tex Birdwell cuts the squadron's 20th anniversary cake during VX-5's birthday party at the Community Center last week. Joining in the ceremony is David Hull (right), the third man to check into VX-5 when the quadron was formed at Moffett Field in 1951.

(Photo by PH1 D. L. King)

VX-5 Commendation . . .

(Continued from Page 1) tactics for delivering nuclear weapons from light attack aircraft, VX-5 expanded its role over the publications as a Bible." years to become the Navy's premier test and evaluation unit.

ROCKETEER

By the early 1960's, VS-5's scope had expanded to include evaluations of conventional well as continuing work on its original mission.

Today VX-5 (with its detachment only activity directly responsible for the operational evaluation of weapons, delivery systems and aircraft for air-to-ground warfare.

"VX-5's twenty-year history of source of all technical know-how AMH3 Dennis Rich.

for weaponry, targeting and other tactical aspects of Naval attack aviation. The Fleet uses VX-5's

The awards ceremony also served as a piping-over-the side for VX-5 Maintenance Control Officer Lt. Frank Nelson, who reported to China Lake in August, 1970, and weapons and aircraft tactics, as retired with 28 years of Naval

Recipients of other awards included ADJ1 Renton Feller (Good at Oceana, Virginia) is the Navy's Conduct Award), AT1 Charlie Wassom (Letter of Commendation from Commander in Chief, U. S. Pacific Fleet) and VX-5 Sailor of the Month YN1 Frank Cruz.

Advanced at the ceremony were being in commission is not unique, AO2 Phil Keepes, DP2 Kerry but it is a hallmark of the need for Stone, AE3 James Byrd, ADJ3 VX-5's mission," said Capt. Bird- Mike Gregory, AME3 Pat Johnson, well. "To the Fleet, VX-5 is the AE3 Maurice LaFlamme and

Three Retire At NWC . .

ensuring the effective ad- Center. . . ." ministration of a diverse and Lt. Taylor, who served as an complex research and develop- enlisted man for 20 years, joined ment laboratory . . . (Cdr. Bates) the Navy just three weeks prior to welfare of military personnel at Commander read, in part: ". . the Center. . . . By his personal . Your retirement today means that dedication, leadership, and the Navy is losing the services of

E. R. Zumwalt, Jr., CNO, for the United States Navy. . . . " President of the United States.

mendable in all respects. Your plans.

(Continued from Page 3) personal leadership and great showed remarkable ability in invaluable to the Navy and this

significantly contributed to the the attack on Pearl Harbor. His improvement of morale and commendation from the NWC professionalism, he rendered in- an extremely competent and valuable support to the Naval talented specialist...serving as a Weapons Center Command at military assistant to the At-China Lake, and upheld the highest mospheric Applications Research traditions of the United States Project (you contributions) are indicative of the valuable service The citation was signed by Adm. you have given this Nation and the

Retirement plans for the three Capt. Abplanalp served as officers are still being made. Capt. interested parties are invited to Public Works Officer for four Abplanalp and his family will take years. His Letter of Commendation an extended trip across the United read, in part: ". . . Your per- States; Cdr. Bates will retire to formance here as the Naval Huntington Beach, where he might Weapons Center Public Works enter business; and Lt. Taylor Officer has been most com- stated he has not yet made any

County Health Officials Caution Against Pastries

Owen A. Kearns, M. D., County Health Officer, reminded the public at large that between now and September 1, all cream-filled pies and pastries, including those filled with custard, must be kept under refrigeration at temperatures of 50 degrees Fahrenheit or less. State and local health regulations make this a requirement for bakeries, retail grocery stores, delivery trucks, restaurants, and charitable organizations. The same safety precautions should be applied to home-cooked products.

"High summer temperatures make unrefrigerated cream - filled pastries an excellent growth media for bacteria that can cause serious illness," Dr. Kearns explained. 'Such contaminated foods often give no warning signs, such as changes in taste, appearance, or odor, and can cause severe illness for anyone unfortunate enough to eat them."

He also warned people to refrigerate such pastry foods immediately after purchase and not to leave them in a hot car while performing other shopping or social chores. Cream-filled pastries should be the last item on a shopping list so they can be taken home and placed under refrigeration soon after purchase.

The Health Officer added that the same danger of bacterial contamination applies to foods high in protein and moisture content, such as milk and milk products, eggs, meat, poultry, fish, shellfish, and dishes containing salad dressings, such as potato salads and sandwich spreads Therefore, during hot weather they should be served either hot (at least 140 F.) or cold (at least 50 F.

According to Dr. Kearns, the bacteria that cause food poisoning exist throughout man's environment and on his person and therefore easily find their way into his food supply. With these facts in mind, one can readily see why the use of clean utensils to handle food is very desirable. Hands should be washed frequently and kept away from the face if their use in food handling is unavoidable.

Dr. Kearns urged the observance of the following rules for safe food

1. Keep cold foods cold-hot foods hot. Temperature control is the first line of defense.

2. Keep hands clean and touch food with hands as little as 3. Don't let anyone with a skin

infection, cuts, or an illness handle 4. Keep kitchens, dining rooms, or food sale booths in clean,

5. Protect foods from dust or droplet infection by proper protective covers or shields.

sanitary condition, free of insects

6. Be sure poisons are well labeled and far away from the place where food is prepared or

7. Wash dishes, glasses, and silver thoroughly and store in a clean protected place. When serving large crowds or there is an illness in the family, use a sanitizer such as household bleach.

New Data Retrieval Service To Be Initiated At NWC

its users in response to questions cording to security regulations. asked about research and in a time-sharing environment at customer reaction. various locations throughout the U. DDC will work jointly with NWC

terminal, additional usage was evaluation.

In July, a DDC terminal will be installed in the NWC Communication Center in the Administration Bldg. This on-line include system will be considered an ex- laboratories. perimental prototype (thought 30 b. Redesign and rewrite system Project Planning, and, to a limited processing. extent, DD 1473 Technical Reports. c. Experiment with remote

writer for hard copy if desired. puter-to-computer hook-ups. NWC wants to operate in an open d. Design, develop, and imto browse at their own leisure. data transfer network. structure meaningful search 3921 questions. After installation, DDC will train a few NWC personnel in these techniques. Then these few will, in turn, train other interested

Since the NWC terminal will also be accepting classified in-

For the past ten or more years formation, it will be manned by one DDC (Defense Documentation operator who will not only be ex-Center), Cameron Station, pert in search techniques, but will Alexandria, Va. has been per- be assigned to monitor and control forming a bibliographic service for all classified information ac-

ROCKETEER

After the year of exdevelopment activities. System perimentation, DDC will be very experimentation began in 1967 with, interested in our comments and prototype equipment to determine recommendations concerning the the technical feasibility of remote remote-terminal. Whether or not on-line data retrieval untilizing the the terminal is kept at NWC will DDC data base. Feasibility was depend to a great extent on the established and currently there are systems attributes, deficiencies, seven remote terminals operating reliability, responsiveness, and

to develope a system test plan that Since the Navy had only one such will be the basis for system

DDC has published a report on NWC appeared to be a desirable this subject titled "Development of location for a terminal for the Defense Documentation Center evaluation purposes due to its Remote On-Line Retrieval System, broad range of technical Past, Present and Future" Report disciplines and its geographical DDC-TR-71-2, dated March 1971. In this report objectives, such as those listed below, are included. Objectives

a. Expand system network to

June 1972) for providing direct to imporove operating efficiency laboratory access to the DD 1498 and effectiveness and accomodate Work Unit Information, DD 1634 input as well as retrieval

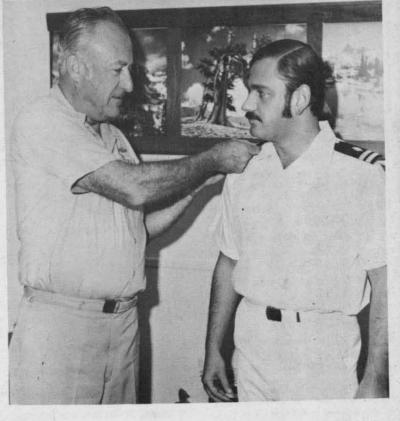
The terminal will be a UNIVAC hardware devices, data Uniscope 100 with associated page management systems and com-

door environment and allow users plement an unclassified - classified

This approach requires that the Anyone who would like a copy of user understand what the system the report or who would like to be can and cannot do, generally how considered for training may call the system functions, and how to Donna Glaviano at Ext. 2945 or

> Council Information 446-4776

Metal Trades



NEW LIEUTENANT COMMANDER-Capt. A. E. May, NWC Deputy Commander, pins Lieutenant Commander boards on newlydesignated LCdr. Stanley F. Roth, who cas promoted on June 28. LCdr. Roth is a Medical Officer at the NWC Dispensary. He reported aboard October 29, 1970 for his first active duty assignment in the United States Navy Reserve. LCdr. Roth will leave NWC in August for the Naval Hospital, NAS Jacksonville, Florida.

Hunting Licenses Go On Sale

California have received the first Sonoma counties. shipment of 1971-72 hunting licenses, deer and bear tags and the new hunter safety validation stamps, and they are now on sale. James Christopher, Department

of Fish and Game license chief,

season, which opens tomorrow end of July. (July 3). The early archery deer season opener follows on July 10, and the early deer season on August 7, which is also opening day for the tree squirrel season in

License agents throughout Lake, Marin, Napa, Solano and The \$1 hunter safety validation

stamp must be purchased by applicants who qualify for licenses by presenting the hunter safety certificate of competence.

As a special service to hunters said that the statewide mailing this year, Christopher added, a covered approximately 2,600 larger, more legible map of deer license agents. More than three- hunting areas will be provided in quarters of a million hunting addition to the map regularly licenses were sold in California last carried in the hunting regulations booklet. These will be available First of the 1971-72 hunts is rabbit from license agents at about the

Pheasant and duck stamps will go on sale about September 1, Christopher said.

Rabbit Season Open

The statewide rabbit hunting season opens Saturday (July 3) and prospects are rated good in most areas of the state.

Hunters are reminded by the Department of Fish and Game that the daily bag and possession limit has been increased from last year's five to eight this year.

Most of the activity in the season that runs through January 30, 1972 will be concentrated on cottontails, although brush, pigmy and snowshoe rabbits also will be fair game. The jackrabbit season runs year-around.

Jack Slosson, associate wildlife manager-biologist with the DFG's Wildlife Management Branch, said that prospects in the northeastern area are not as good as they were last year because of reduced populations due to winter die-offs.

And prospects in southern California are rated only fair because of the lack of rainfall, a continuation of a dry weather cycle over the last few years, in some

In the balance of the state, however, hunting should be equal to the situation last year when the take was up 15 per cent from that for 1969.

About 120,000 hunters took 728,000 rabbits in the season last

Best counties for rabbits are Kern, Fresno, Riverside and San

DDC TERMINAL TO BE INSTALLED-Donna Glaviano (I) of Central Staff acquaints Rita Lane with a piece of equipment similar to the UNIVAC Uniscope 100 that will soon be installed at NWC which will give the Center instant access to data

stored at the Defense Documentation Center (DDC). The service is a temporary setup for evaluation purposes. For more informatiion on the system and its use, see page 3 of this issue.