

BALLET PRESENTATION - Brooke Robson and Larry Rosenburg of Los Angeles are shown rehearsing for the China Lake performance of the Western Chamber Ballet, a small professional company, on July 20 at 7 p.m. at the Center theater. Tickets are

Plans Finalized For Tuesday Ice Cream Social

The Protestant Women of the All Faith Chapel would like to remind all local residents of the annual Ice Cream Social which will be held on the lawn of the Chapel, Tuesday, July 15, from 6 to 9 p.m.

Virginia Murphy, chairman of the affair, has stated that in addition to the homemade cakes, pies and ice cream that will be served, ice cream cones, soda pop and balloons will also be available.

Entertainment will be provided by the Navy Band from San Diego, and there will be clowns on hand to keep the children happy.

Also on tap will be a dunking tank, occupied by Chaplain G. A. Read. Those in attendance will have an opportunity to purchase 3 balls for 10 cents and have a shot at dunking the chaplain into the drink. All proceeds of the social will go toward the Missions supported by the

Tickets which are priced 50 cents for adults, 25 cents for servicemen are available at minds NWC residents that, children, and 35 cents for the Chapel office, or from PWOC members.

Fat Albert Back

Fat Albert is back! The Summer Activities Group will spon- ball and generally keeping acsor another Fat Albert party at tive, do not always look out the Inyokern Park, July 16, for their own safety, or the from 6 to 10 p.m., for all resi- safety of others. Normally, dents of the Indian Wells Val-

Persons planning to attend are asked to bring their own steak, mug, and utensils. The Children are naturally daredevils, and often attempt things the pop, beer, salad, coals, music, etc.

Any local resident above the age of 18, single or married, is tempting to ride, or tearing invited. There will be a dona- around on motorcycles near tion of \$1 asked from all attending.

For further information, contact Don Scofield, Ext. 72092, \$2.50 for adults and \$1.25 for children under 12. Tickets are available at the Gift Mart, Station Pharmacy, and on Saturday, they will be available in front of the Shopping Bag. This concert is sponsored by the American Association of University Women.



PRESENTS TICKETS - Grant Pinney, Vice-President of the Ridgecest Kiwanis, is shown presenting Captain M. R. Etheridge, NWC Commander, with two tickets to the China Lake Players production of "The Brick and the Rose," a play dealing with the life of a young boy, from birth to death, who is involved with narcotics. Directed by Robert Pinney and Sarah Hetrick, the play will highlight the National Kiwanis Club's efforts in the coming year in the field of narcotics problems. Called a collage of voices, "The Brick and the Rose," will star Bob Gritton as the narrator and Robert Pinney as Tommy. Gerry Baker will be the Technical Director. It will be presented July 18, 19, and 25 and 26 at the Murray School Auditorium.

Be Alert for Reckless Children

The Safety Department rechildren no longer in school will be engaging in activities which could be hazardous. Children who are swimming, motorcycle riding, playing these children are too young or too inexperienced to recog-

nize a hazard. Activities Group will supply which are dangerous. Many instances are seen in the housing area of children too small for the bicycles they are at-

smaller children. The Safety Department suggests that parents spend a little time with their children should be, "Watch for Reckin order to refresh the youngs- less Children."

ters on the idea of safety and safety rules.

Many accident reports begin with the phrase, "I just didn't

In order to offset this, the Safety Department suggests that children be dressed in bright clothing during the day time, or wear reflective material on shoes or clothing so that the youngsters might be seen in early evening hours. Parents can help motorists by applying a strip of reflective tape to the sides and rear of bicycles.

Operators of all vehicles: bicycles, motorcycles, and automobiles - are asked to take special care in watching for small children who might be walking, running, or riding near thoroughfares.

This summer, the byword



NEW RATING PROCEDURES

ratings for motion picture shown at the Center Theater will be based on two different types of ra tings—the familiar Parents' Magazin atings, and the new MPAA (Motion Picture Association of America) rating (The Parents' Magazine ratings will eventually be superceded completely by he MPAA ratings.) The rating designations

use discretion. mitted only with parent

PARENTS" (A)-Adult (Y)-Youths 13-17 (C)-Children 8-12

(M)-Mature for Y & C

THE NIGHT OF THE FOLLOWING DAY (93 Min.) Marlon Brando, Richard Boone

Rita Moreno

7:30 P.M. (Suspense Drama) Taut, action packed story in which Pamela Franklin is kidnap ped by a professional gang. An inevitable ional story portrayed by the superb stars. *(R) **(Adult)

Shorts: "Rabbit Stew and Rabbits Too" 'Sleeping Bag" (9 Min.)

-MATINEE--"TARZAN GOES TO INDIA" (86 Min.) Jack Mahoney

1:00 P.M.

Shorts: "Tom's Photo Finish" (7 Min.) 'Trader Tom' (No. 7, 13 Min.) --EVENING--"FIVE CARD STUD" (103 Min.) Dean Martin, Robert Mitchum

7:30 P.M. (Mystery/Western) Who stalks the players of a seven-man card game that broke up ne night in Rinco because of cheating? Is it murder or coincidence that each are marked for death? **(A,MY) Short: "Is There A Doctor In The Mouse (7 Min.)

SUNDAY-MONDAY 'WHERE IT'S AT" (105 Min.)

David Janssen, Rosemary Forsythe 7:30 P.M. (Comedy/Drama) Caesar's Palace, Las Vegas, is the scene for a generation gap story that comes up with an odd twist as a casino operator's son suddenly starts showing Dad's brilliant traits—to Dad's surprise! *(R) **(A,MY) Short: "Think Before You Pink" (Pink

TUESDAY-WEDNESDAY "THE TIGER MAKES OUT" (95 Min.) Eli Wallach, Anne Jackson

Panther, 7 Min.)

7:30 P.M. (Comedy) He was a mouse by day, a tiger at night! This lonely frustrated Greenwich mailman abducted a suburban sophisticate and she changed his entire life.

Shorts: "Rushing Roulette" (Roadrunner, 7 Min.) "See Holland" (11 Min.)

THURSDAY-FRIDAY "KENNER" (90 Min.) Jim Brown, Madlyn Rhue

7:30 P.M. (Adventure) He sought revenge on one day, July 11. All Centerites man but every thug in Bombay was after HIM! The American seaman found the friendship of a boy, the love of a woman and almost more excitement than he could handle! *(G) **(A,Y,MC) Shorts: "A-Tom-Inable Snowman" (7 Min.)

"Belmont Park" (10 Min.)





CWO2 WILLIAM E. BAS-SETT has reported aboard the Center recently to assume the duties of Officer In Charge of the Commissary Store, relieving Lt. Bruce M. Trulli. The Wellsville, Utah, native attended Olympic College, in Bremerton, Washington, and in the service he has attended the Supply Corps School, Submarine School and Warrant Officer Indoctrination. Warrant Officer Bassett has been in the Navy since 1955. He and his wife, Karren, have five children, Bonnie, 13, Michael, 12, Peggy, 9, Susan, 8, and Matt, 6. They reside at 40-B Hayward Ave., on the Center.

Desert Dancers Start Classes

Kolos, line dances from Serbia and other Slavic areas, will be featured during the Desert Dancers' beginning folkdance class which will start Thursday, July 17, 8 p.m., at the Community Center.

The four-week session which will meet each Thursday and will also cover dances using the basic schottische, waltz and two-step.

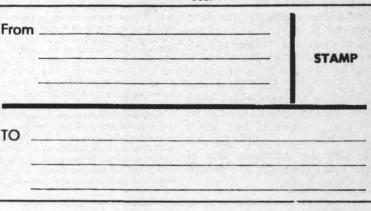
Beginners are invited to participate in or watch any of the regular 7:30 to 10 p.m. Thursday programs. Partners are not required.

Club Chaparral Planning Luau

Mike Weinberg, manager of the Club Chaparral, has announced that "The Gents," a popular group from Mojave, will appear at the Club Friare invited to come out and enjoy an evening of dinner and dancing.

Weinberg also stated that Luau tickets may now be purchased from any Advisory Board member, or by calling him at Ext. 72274.

He also announced that memberships are now open for qualified Civil Service employ-





GOLDWATER VISITS -Barry Goldwater, Jr. (Cal-R) was given a briefing on the general aspects of the Naval Weapons Center on the occassion of his appearance at a recent luncheon in Ridgecrest. Goldwater is 27th District Representative from California to Congress. Goldwater is shown above in the Research Department accompanied by Capt. M. R. Etheridge, NWC Commander.

Twenty New Billets Available At Bakersfield Reserve Center

Cdr. W. C. McGreevy, Com- extra retirement, and the to providing operational exmanding Officer of the Nav- pride of serving once more al and Marine Corps Reserve in his country's defense. Training Center, in Bakersfield, has released informa- one weekend each month in to Technical Officer in Febtion stating that Naval Re- uniform, working on Navy ruary, 1968, a position he held serve units in Kern County have been authorized 20 new billets for petty officers in the sional skills. In this way he new Fiscal Year, commencing continues to serve his country July 1, 1969.

The new slots will allow more Kern County veterans ment. to take advantage of the many benefits of a part-time career pay, a family protection plan, 324-1027 in Bakersfield.

A Naval Reservist spends material, civic projects, or until June 30, 1969. learning military and profeswhile maintaining his civilian status and civilian employ-

Complete information on the USNR Veterans Program as a Naval Reservist. Cdr. Mc- can be obtained by contacting Greevy pointed out that vet- the Naval Reserve Recruiting erans taking advantage of Office, 4201 Chester Avenue, the Naval Reserve gain extra Bakersfield, or by phoning



SHRINER CHECKS OUT - A farewell party hosted by the Systems Development Department recently paid tribute to George Shriner who retired from Federal Service after 37 years as a government employee. A native of Rincon, N. M., George and his wife, Ruby, have lived at China Lake for the past twenty three years. Above, Milt Seabrook (r) presents George with a replica of the Tartar missile as a reminder of his project days.



Naval Weapons Center, China Lake, California

Capt. Walsh Transferred To Secretary Of Defense

Capt. R. S. Moore **Takes Over Helm** As Tech Officer

A Hail and Farewell party honoring departing Captain and Mrs. F. R. "Knobby" Walsh, NWC Technical Officer, and the recently arrived Captain and Mrs. Robert S. Moore, who will be the new Technical Officer, was held Wednesday, July 2, in the

Captain Walsh arrived aboard the Center October 18, 1965, as the Assistant Technical Officer.

During his tenure as ass't technical officer, he served as a project pilot range and airspace coordinator, in addition perience in Air Weapons Sys-

Capt. Walsh was promoted



CAPT. R. S. MOORE

The Greenville, Mississippi native attended Virginia Polytechnic Institute at Blacksburg, Virginia and while in service attended the Illinois Institute of Technology, 1948-1949, and the Naval Line School in Monterey in 1950.

After being commissioned national product had grown that the danger it poses promand designated a Naval Avia- from 600 billion to 900 billion. tor in October, 1945, Captain "Based on these facts, that tion." Walsh served with VB/VA is why I say the so-called milisquadrons in the Atlantic tary-industrial complex is not ed another point made by the Fleet until 1948 when he en- doing a very good job of either late President which he said tered IIT. In 1951, after grad- taking care of the Navy or tak- has equal validity. uation from the Naval Line ing control of the overall re-School, he was sent to Korea sources of the country." as a night attack pilot, serving He also gave figures on tothere until 1953.

His next tour of duty was spent at Pensacola as a flight instructor. After three years in Florida he shipped aboard "Our 78 billion dollar budget Intelligence Officer.

Walsh served with Attack Squadron 126 as the Supervisor of Nuclear Weapons Delivery Training.

Next came two years as or 47 percent of total governthe Project Director of the ment spending at that time of Naval Weapons Evaluation relative peace; Facility, at Kirtland AFB, Albuquerque, New Mexico.

(Continued on Page 7)



FAREWELL PARTY — Capt. F. R. Walsh, Outgoing NWC Technical Officer, accepts token memento from Carl Schaniel, Head, NWC Weapons Planning Group, at a farewell party held in his honor recently at the Commissioned Officers Mess. Capt. Walsh has been reassigned to the Office of the Secretary of Defense, Washington, D.C.

Military-Industrial Complex Hit By CNO

Speaking before the Union nually; League recently in the City of "And that, as the saying Philadelphia, the Chief of Na- goes, the 30 billion 'comes out val Operations discussed the of the hide' of the defense current controversy over the practitioner." so - called "military - industrial

Admiral Thomas H. Moorer farewell address of 1961 consaid that, "if, in fact, a military- tained more than a warning industrial cabal is taking over against the dangers of a milithe whole country," he would tary-industrial complex. "like to see some new manage-

He cited figures showing that shipbuilding funds had dropped from 2.8 billion dol- a hostile ideology. . .global in lars in 1960 to 1.2 billion dol- scope. ruthless in purpose. . . lars in 1968, while the gross insidius in method. . . . and. . .

tal Defense spending.

"Defense's share of national spending is four percent less potential aggressor may be now than it was in 1960:

the USS Kearsarge, as the for this fiscal year represents 43 percent of the total allocat-From 1958 until 1961, Capt. ed the President to preserve peace, internally and external-

> "Ten years ago, the arms budget was 43 billion dollars

"Rarely considered is the fact that we are in a war that Prior to arriving at NWC, costs on an average in the neighborhood of 30 billion an-

Inside Chaplain Page 2 Shrike Meet Page 3 N/C Equipment Sports Page & Showboat Page 8

The Admiral pointed out

"Taken in full context, he

warned of many dangers and

"He also said that we face

Admiral Moorer also stress-

"A vital element he said, in

keeping the peace, is our mili-

tary establishment—our arms

must be mighty - ready for

instant action — so that no

tempted to risk his own des-

truction.

counselled us accordingly:

that President Eisenhower's

CHAPLAIN'S MESSAGE

Kindness Is Kind



BY CHAPLAIN ROBERT W. ODELL

"Now, children" said the teacher, "I want you to write me an essay without a theme - just put down what is in you." Minutes later, Stanley, one of the eager class members, handed in the following thoughtful essay. "In me there is a heart, a lung, and an appendix, and then there is a stomach with two pieces of bread and butter, an apple and five caramels." I wonder what is in you! in me? Kindness is one quality I remember about China Lake, among many others,—in you.

Albert Schweitzer used to put it this way: "He comes to us as one unknown, without a name, as of old by the lakeside He came to those who knew Him not. He speaks to us the same word, "Follow Thou me" and sets us to the task which He has to fulfill for our time. He commands. And to those who obey Him, whether they be wise or simple, He will reveal Himself in the toils, the conflicts, the sufferings which they shall pass through in His fellowship, and as an ineffable mystery, they shall learn in their own experience who

I learned who Christ is from your kindness to us and so I am stopping off in China Lake 17 July (Thursday) to say hello to you all and to thank you for your kindness to the Odells in days gone bye.

The All Faith Chapel congregation have been kind enough to arrange an informal reception, 17 July in the East Wing that night before I fly to Pearl Harbor to become Force Chaplain for submariners in the Pacific. I am very anxious to see, to greet and to chat with our many friends there among you in China Lake. Your kindness is my thanksgiving to God!

The garden expert was hard at work with some plants when an inquisitive lady happened by. "What are you doing Mr. Flanagan?" she asked. "Trying to cross an eggplant with a milkweed," said the expert. "What do you expect to get from that?" she continued. "Custard Pie" was his happy reply. Kindness is the gift we can give to others — it is the kind of love God wants in action. I recall you have that love and am coming back brieflty to claim it and share it with you. May I count on seeing you then???

Parents Without Partners Organize

Chapter of Parents Without Partners was recently organized. Membership is open to all "parents without partners," widowed, divorced, separated, or never married, who reside in the Indian Wells Valley area.

Activities will consist of social and educational get-to- Park. All interested persons gethers designed so that fam- are invited to attend. ily groups and adult members can participate.

will be present to discuss such Zimmerman, 375-8065. subjects as "How to Live as a Single Parent," "Parent-Child Relationship in a One-Parent Home," and "Legal Advise for the One-Parent Family."

The recreational and social

The Indian Wells Valley activities for both adults and children, including teenagers, are planned to provide a comfortable environment for recreation free of that "fifth wheel" feeling.

The next meeting will be held at 8 p.m., Monday, July 14, at 213 Dorado St., Desert

Further information may be obtained from Mrs. Martha A monthly meeting will be Lord, Ext. 74751 or Mrs. Pat held at which a guest speaker Zembal, 375-8065, or Nathan



SERVICES

DIVINE

Protestant (All-Faith Chapel)-

Morning Worship-8:15 and 11 a.m.

Roman Catholic (All-Faith Chapel)-

NWC Jewish Services (East Wing All-Faith

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

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

The Rocketeer Official Weekly Publication U. S. Naval Weapons Center

China Lake, California Capt. M. R. Etheridge, USN "J." Bibby Public Affairs Officer

Joan Raber Associate Public Affairs Officer (Acting) Director of News Bureau William P. Valenteen, Jr

Jack C. Lindsey

Lucille Edwards

PH1 Gary D. Bird, PH2 Delmar E. Hart, Daily Mass-11:30 a.m. in Blessed Sac-PH2 Michael F. Krause, AN Maurice Dia rament Chapel. Saturday, 8:30 a.m. Staff Photographers Confessions-7 to 8 p.m. Saturday.

DEADLINES:

Tuesday, 4:30 p.m. Tuesday, 11:30 a.m. Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in nce with NavExos P-35, revised July 1958. Office at Nimitz and Lauritsen

71354, 71655, 72082

PROMOTIONAL OPPORTUNITIES

tions (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 of the ranking process of those rated a pasically qualified will be a supervis ry appraisal form that will be sent to the employees present and most recen previous supervisor. Selection shall be made without discrimination for any nonmerit reason and without favoritism bas-

The vacancies listed below are effective from July 10 to 17, 1969.

Safety Assistant, GS-018, 5 or 7, Code 22-This position is that of Safety Assistant the Safety Department under supervision of the Head, Safety Department. The incumbent is responsible for: development of an office safety program for the Center; the onducting of safety surveys of all office areas and elimination of unsafe conditions accident investigation; safety meetings; ad ministrative services of the Safety Departom; originating and developing the machine processing of accident statistics and other related duties. Qualifications: GS-5, 3 years general experience and GS-7, 3 years general experience and 1 year specialized FSEE required.

Warehousemen, WB-5, Code 259 - Performs a number of tasks in connection the physical receipt, storage or issue of supplies. Receives, checks, stows, counts, issues and assembles supplies of all types in accordance with established supply systems, procedures and methods. Requirements: Must have had six months experience in

Cadle, Bldg. 34, Rm. 26, Ext. 71648. Clerk-Typist GS-322-3 Code 2522 - Pre-

pares purchase orders, reproducable masformation obtained from daily records and logs, letters and memo's from rough drafts stubs when cuts are necessary and modif cations pertaining to BPA's and purchase orders from rough drafts. Requirements Successful completion of one academic year of substantially full-time study in a resident school above the high school level one year of appropriate experience.

File applications for above with Carole Cadle, Bldg. 34, Rm. 26, Ext. 71648. Administrative Assistant, GS-341-5, PD. No. 6985023, Code 8501 - Major duties include preparation of Department budget, financial reporting, plant account, personne iaison, and assistance in management stud ies, planning, and general administrative

(Continued on Page 7)

Assessment 180

Assessments No. 180 - 108 will be waived for the death of GEBA - CLMAS member Belmont Frisbee, employee of code 3032, who died July at the Ridgecrest Hospital of cancer. Mr. Frisbee was 55 vears old.

Mr. Larry Mason, Secretary-Treasurer of the China Lake Mutual Aid Society and The Government Employees Benefit Association is concerned with the members that have (not) paid Assessments No. 177, 178, and 179. These stragglers' benefits are auto matically suspended according to Article 5, section 2, of the By-laws which states, "Any member who fails to pay an assessment within 15 days after the date on which is was levied, shall become suspended and shall not be entitled Sunday School-9:30 a.m., Chapel Anto any of the benefits of this nexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) lo- Association (which is \$1,000,

upon the death the member.) Many members have been Holy Mass-7, 9:30 a.m., and 12:30 p.m. neglecting their payments and do not realize the situation in which they put their

beneficaries.

It is suggested that when a member goes on leave they notify their collectors or call Larry Mason at 375-2846. And Chapel)—8 p.m. every first and third it is good to pay advance assessments in case a death occurs while you're away. For those members who mail, advance payments are also acceptable.



PLAQUE OF APPRECIATION—Gordon Shumway, left, District Chairman of the Southern Sierra Council, Boy Scouts of America, presents Lt. Jim Terrell a Plaque of Appreciation for Lt. Terrell's work in the recent 1969 Apollo Exposition held at Schoeffel Field, Armed Forces Day. Lt. Terrell stated that more units participated in this year's event than in previous year's, a factor which figured in the award. He also stated that the Exposition would not have been such a success had it not been for the hard work and cooperation from the many other people involved.

League Announces Committee Heads

Tuesday, July 8.

Affairs Committee was Buzz Johnson, a newcomer to the area, and advertising manager of the Valley Independent newspaper.

Budd Gott was appointed to handle publicity while Burke historian. West was named to handle the Marine Corps Affairs commit-

the Cruise Program.

Dick Hitt was named program cate.

President George Hucek's an- chairman. Hitt announced that nouncement of committee he will have a speaker on milichairmen highlighted the meet- tary affairs at the next meeting of the IWV Council of the ing of the Council on Tuesday, Navy League at the Hideaway August 5. In addition, Hitt announced the Council will hold Named to head the Public a Sunday brunch on July 27, which will be followed by a Las Vegas night at a later date.

The Adapt Program will be headed by Burke West, who will be assisted by Dick Hitt. Archie Meyer will also continue his role as the Council's

New officers on the Council, in addition to Hucek, are Francis Carlisle, first vice-president; Lee Warner will head the Archie Meyer, second vice-premembership committee while sident; Jack Koehne, treasurer, Archie Meyer will chairman and "J" "T" Bibby, secretary, and Jim Wheeler, Judge Advo-



CRUZ RETIRES — SDI Emeterio C. Cruz, USN, is shown above receiving his orders to pasture from Capt. M. R. Etheridge, NWC Commander. Cruz leaves the service after a continuous career of 30 years in the enlisted ranks. Cruz and his family are planning to reside in the IWV.

Capt. R. Moore Takes Over As **New Tech Officer**

Friday, July 11, 1969

(Continued from Page 1) Capt. Walsh put in two tours in Southeast Asia as Air Warfare Officer, with Staff, Commander Carrier Division Three.

During his long and varied career. Capt. Walsh has won numerous awards and citations, including two Air Medals for serving as a carrier-based dive bomber pilot and as a night attack pilot in both the Atlantic and Pacific Fleets, and for his combat duty in Korea.

He was awarded the Navy Commendation Medal for his accomplishments as Staff Air Warfare Officer in the planning of Task Force 77 air strikes against North Vietnam.

Capt. Walsh was also awarded the Legion of Merit for serving as Project Officer during a recent Test and Evaluation effort.

While at the Center, the Captain and his wife Priscilla, and three children. Sandra Lee, 18, Sharon Elizabeth, 16, and Francis Scott, 13, resided at 3 Enterprise Rd.

Capt. Walsh's duty assignment takes him to the office of the Secretary of Defense, in Washington, D.C.

Captain Robert S. Moore assumed the duties of NWC Technical Officer July 1, after serving two months as the Assistant Technical Officer.

Captain Moore was born in Boston, Massachusetts and graduated from the U.S. Naval Academy in 1949. After receiving his wings, he served with Squadron VP-23 from 1950 until 1953

From 1954 until 1956 Capt. Moore attended the Naval Postgraduate School in Monterey, receiving a B.S.A.E. in 1956.

In 1957, he pulled a tour with VX-2 and then came to NOTS in 1958 where he joined VX-5. After a two year stint with VX-5 he left to join the Staff Commander Fleet Air Japan until 1962.

From 1962 to 1966, Capt. Moore served with VA-125, VA-144 and VA-216. In 1966, Moore served with VF-124

In 1967, he became the Air Operations Officer aboard the USS Hancock, serving in that capacity until April of this year when he came to NWC. Capt. Moore and his wife Paulette will reside in Capt.

Walsh's former residence at 3

Enterprise Rd., with their two

ing, etc., on electronic equipment, 4 years boys, Roger, 8, and Charles, 6. of progressively responsible specialized experience that provided a theoretical and tion which involves specialized terminology Both Capt. Moore and Capt. Walsh claim golf to be their off-duty leisure activity. While serving with VX-5 in his ment and the application of appropriate elprior tour here at NWC, Capectronic formulas. Job Relevant Criteria: practical knowledge of transistors. Advancetain Moore, then Lt. Moore, ment Potential: This position is potentially was the club champion in

Wives' Coffee

Wives of civilian employees 6955081, Code 5515 - The incumbent is reand military officers who have sponsible for interpreting and compiling acarrived at NWC within the counting data contained in IBM reports into past year are invited to attend a coffee at the Commis- and other management personnel in maksioned Officers' Mess from 9:30 ing policy decisions pertaining to contract to 11:30 a.m., July 15. Repre- coordination and administration. Work resentatives of the various clubs quires ability to understand fiscal reports and recognize accounting errors. and organizations on the Center Basic Qualification Requirements: A. Two will be present to talk about years specialized experience in fiscal actheir respective activities and counting clerical work or, B. Education and to give the ladies an idea of experience may be substituted as allowed in CSC Qualification Handbook, X-118, GSthe many functions and groups 500 series. Job Relevant Criteria: Ability to at China Lake.



RECEIVES AWARD CERTIFICATES - Cdr. H. D. Parode, Assistant Technical Officer, Air Weapons Systems, looks over five certificates he received in Capt. Etheridge's office July 7 for action with VA165 aboard the USS Intrepid from May 1965 to November, 1966. The awards are: a Navy Commendation Medal for service from May '65 to November '66; Bronze Star for service from May to October 1966; the Distinguished Flying Cross for action on October 9, 1966; the Gold Star in lieu of the 13th award of the Air Medal for the period September 18 to October 8, 1966, and the Silver Star in lieu of the 16th award of the Air Medal for action on October 16, 1966. Cdr. Parode served as Executive Officer of VA-165 from May 1965 until November 1965, and as Commanding Officer from March until November, 1966.

Promotional Opportunities Listed

bility is required. A thorough knowledge

of the NWC organization and good cler-

have advancement potential to GS-9.

cal skills are desired. This position may

Electronics Technician, GS-856-9, PD No.

6930061, Code 3045 - Duties include: 1)

use of standard electronic principles in the

design, modification and repair of electronic

circuits; 2) testing of various electronic eq-

breadboard models. Minimum Qualifications

Requirements: 2 years of progressively re-

sponsible general experience that provided

could be applied in the development, test-

practical knowledge of electronic theory.

Experience must have included the use of

schematic diagrams, a variety of test equip-

classifiable to the GS-11 level based on the

ncumbents ability to fulfill the job require-

File application for above with Fawn Hay

cock, Personnel Bldg. Room 34, Ph. 71514.

meaningful information including graphic

effectively communicate with contractor and

Fiscal Accounting Clerk, GS-501-5, PD No.

Prasolowicz, Bldg. 34, Rm. 28, Ext. 71577. 71514.

(Continued from Page 2)

File application for the above with Sue Pat Gaunt, Rm. 34, Personnel Bldg., Phon

work independently without close supervi

sion. Ability to present accounting data in

555011, Code 5571 - Incumbent is respon

sible for obtaining and assembling various

ta summeries. Takes and transcribes dicta

receives and reads all mail, and where pos-

based on knowledges of office operations.

correspondence and classified documents

greet and communicate with government

and non-government representatives. Abili-

ty to work under pressure and meet short

suspense deadlines; demonstrated skill in

arranging technical material for oral and

File applications with Pat Gaunt, Room

written presentations.

Typist, GS-4.

File application for above position with

The "APT" computer pro-

Numerically-Controlled Machinery

(Continued from Page 5)

At NWC, the equipment is magnetic tape. The post-prolimited to one Burgmaster cessor converts the information Drilling Machine, two Continuous Path Lathes, one Point-to-Point Kearney & Trecker Mill with automatic tool changer, and two Heald Acracenters which feature three-axis Continuous Path, and three-axis Continuous path combined with a rotary table which supplies the fourth axis of mo-

As the name implies, all of these machines are controlled by numerically coded tapes. To produce a part or to perform a similar task, the first involvement is to produce a tape that will be understood by the machine.

After studying related blueprints and making a determination as to how to adapt the job to a particular machine, a program is written in which the geometry of the part is defined by means of a Cartesian Coordinate System.

The next step in writing the program is to insert "motion statements" that give the machine directions. A "printout" of such motion statements would read somewhat like directions for a treasure hunt: Go/to, line 1 Go Lft /line 1, to, line 2.

After the program is written, the Coordinates and motion statements are key-punched onto cards and read into the Univac 1108 Computer which has been pre-programmed to accept the special language that is used for this operation, called "APT" (Automatic Program Tools).

gram coupled with a special post-processor produces a tion of Al Sievert.

and adds various other functions, such as, feeds speeds. coolant, etc. into the exact format that the particular machine tool, or its control unit can understand. The information on this "MAG" tape is then punched into 1 inch mylar tape which is used to operate the machine tool.

The program is checked out by various methods, including a "dry-run" procedure by the operator, and plots produced by the computer.

Primary Advantages In addition to the savings

gained in both manpower and valuable lead time, Numerical-Controlled machinery and equipment offers some additional advantages.

Conventional machining of parts can require several different set-ups and may require expensive tooling, such as Jigs and Fixtures. With N/C equipment, many of these steps may be eliminated. In addition, once the programmed tape has been verified, it is a simple matter to produce identical results at a later time.

In the development stage of a particular piece of hardware, it is sometimes desirable to change certain aspect of the configuration. With N/C programming, the above is possible with relative ease as long as the general configuration is maintained.

Numerical - Controlled equipment on the Center is under the supervision of Bill Danley. Programming of tapes is the responsibility of Code 55412, under the direc-

McEvoy Promoted To LCdr.



PROMOTION CEREMONY - Lynnette McEvoy pins LCdr. insignia on her husband, LCdr. Francis E. McEvoy, a doctor at the Station Dispensary, culminating a promotion ceremony held in Capt. Etheridge's office, Monday, July 7. The new LCdr. reported aboard the Center, July 18, 1968. He and his wife, and son Steven, 2, reside at 408-B Forrestal on the Center.

DR. JEAN BENNETT

Dr. Jean Bennett, scientist

with the Physical Optics

Branch of the Physics Division

of the NWC Research Dept.,

has recently accepted an ap-

tary Sciences Division.

Dr. Bennett has been active

in the Maturango Museum ev-

er since it was first founded.

She has, on various occasions,

escorted groups to Big and Lit-

tle Petroglyphs, and to the

Petroglyph Historical Land-

mark. She photographed the

first day's activities on the Ray

Cave Dig for the Museum, and

has presented a number of

slide shows and talks which

have enhanced the museum's

In all these undertakings,

she has worked with her hus-

NWC optical physicist. Dr. Hal

were married in August, 1952,

Dr. Jean Bennett has work-

derness, where they camp,

hike, kayak, and explore sel-

Both Dr. Hal and Dr. Jean

have shared their explorations

slides to residents of the local

area at various times in the

hope to continue

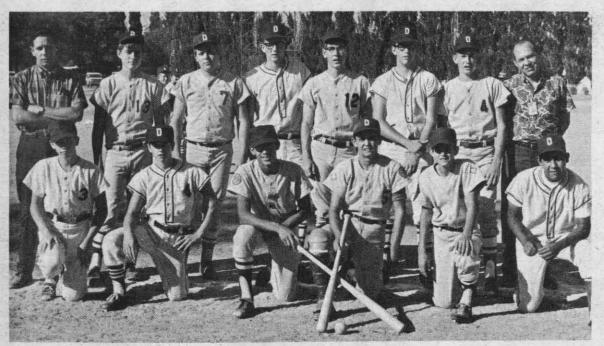
dom-visited wilderness areas.

in Missoula, Montana,

program series.

in the Museum.

president.



COLT LEAGUE CHAMPS — The Dodgers, IWV Colt League champions pose for this team picture prior to taking the field in the Colt League double-elimination tourney held at Schoeffel Field. The team beat the Colts, 4-0, in a special play-off game after finishing the regular season in a tie. The

champs are, back row, left to right, Bill Craddock, manager, Floyd Paeyeneers, Rick Carle, Don Branson, Steve Pullen, Terry Kokosenski, Jim Braun, and Art Craddock, coach. In the front row, left to right, are Joe Koons, Darwin Keck, Phil Iorillo, Jeff Radcliff, David Branson, and Danny Pinto.



PONY LEAGUE "B"CHAMPS - Members of the Braves, Pony League "B" Division champs, pose for a team picture following their victory over the Angels for the league title. In the back row left to right, are: Chuck Pilgrim, coach, Randy Aulds, Bobby

Beyer, Steve Forrester, Randy Brown, Ed Donohue, Gary Bennett and Harold Orders, Manager. In the front row, left to right, are John Smith, Harold Orders, Jr., Jim Stillwell, Larry Carter, James Smith, and Rich-

Soccer Buffs **Asked To Call** Smith for Info

Richard M. Smith, an employee of the Instrument Development Division, Systems Dethat all local residents interest- last year's performance. ed in playing soccer this summer contact him at either his work extension, 72848, or at in second. Fourth place was home, 76771.

He has stated that this will be an informal group of men and boys over the age of 12 who are interested in getting together simply for the sport and pleasure of playing.

ray School on the football

played will be English - style

SUPPORT YOUR RED **CROSS**

Swim Team Activity Picks Up The Indian Wells Valley stow last Wednesday, but re-Swim Team, under the direc- sults have not been received

tion of Carol Chatterton, plac- as yet.

with San Bernardino coming garnered by Apple Valley, and Fontana and Glendora finished fifth and sixth, respectively.

The IWV first place ribbons were won be the 13-14 year old girls' 200 yard medley team consisting of K. Bjork-Games will be held at Mur- lund, L. DeMarco, J. McGlothlin, and J. Kaufman. In the same age group, the 200-yd. Smith stated that the game freestyle relay team of K. Bjorklund, L. DeMarco. J Mc-Glothlin, and D. Flynn, captured first place in their divi-

> In boys' competition, the 200 yard medley relay team of J. Allan. R. Bjorklund, B. Hillard, and R. Ender, took the 15-17 year old category, and in the same age category, the of J. Allan, R. Bjorklund, V. Villa, and R. Ender took the top prize.

Other Meets The IWV Swim Team competed in a dual meet at Bar-

ed third in the Apple Valley The team will go against Relay Meet, held last Satur- Antelope Valley at 9 a.m. at day in Apple Valley. How- the COM Pool tomorrow in a ever, the local Red Suits took dual meet, and on Saturday, four first place ribbons, an July 19, they will take part in velopment Department, asks increase of 100 per cent over the Kern County Championships at Bakersfield.

Braves Win Pony 'B' Division; Area Championships Play Soon

The Braves won the Pony Upsets marked the play in "B" Division championship by the local double - elimination outscoring the Angels, 12 to 8 tournament which saw the Tuesday, July 1, extending Colts knocked out of the tourtheir consecutive win streak to

of the "B" Division, was the

The Braves, managed by Harold Orders, and coached by ea Championships during the Chuck Pilgrim, started slow, week of July 21. Both teams losing two games and tieing are to start their practice sesone, but then they caught fire, catching the Angels in the Star team will play at Sylmar, final game of the season. The game Tuesday night was a Details of the tournament, and play-off game, not on the reg-

nament with losses to both the Angels and the Dodgers, and Steve Forrester, ace pitcher the Tigers eliminated by losses to the Cubs and the Indians.

The Pony and Colt All Star teams will compete in the Arsions next week. The Colt All and the Pony team at Rialto. rosters of the two teams will be published next week.

Softball League Tightens Up; Ace T.V., Ridgecrest Shell Lead

Softball League tightened up nesday evening, Brennecke again as Ace-TV beat Ridge- again hit the ball well, smackcrest Shell 2-1 on Jim Bevan's ing two homeruns in the second homerun with one on in the inning to aid El Ranchito in fourth inning Wednesday, their fight to hold on to third July 2. The two runs were place, by defeating VX-5 17-5. the first earned runs scored Jim Brown went three for four this season against Bert An- in the slugfest. dreasen, ace hurler for Ridgecrest Shell. In the top half on Thursday of the fourth inning, Andy Gilpin hit a homerun against Bert Andreasen leads the ERA Bert Galloway to put Ridge- statistics with an earned-run crest Shell temporarily in average of 0.08, and 120

Andreasen's string of 79 innings without an earned run strikeouts in 91 innings, and scored against him is a re- and ERA of 0.22. cord for the league.

In other action last week, Ace-TV beat Genge 4-0 Monday in the first game of a doubleheader. Jim Bevan also homered in this game, and Galloway struck out 13 Genge batters.

In the second game of the evening, Ridgecrest Shell beat VX-5 9-0 in a game called in the fifth inning. Al Hyles hit two homers in this game and Andy Gilpin hit one. The two sluggers are tied for the lead in home run production with seven apiece.

On Tuesday, NAF beat Genge, 9-3 with Dink Patterson hitting a pinch-hit homerun while batting for Bill Har-

Magic Cleaners went down to defeat to El Ranchito in the nightcap, 5-2. El Ranchito's Ron Brennecke hit a homerun to help his team to the victory.

The China Lake Intramural In the second game on Wed-

There were no games played

In the pitching department, strikeouts with 82 innings pitched. Galloway has 138

SIA	MDIM	3		
Team-	Won	Lost	Pct.	GBL
Ace T.V	. 11	2	.846	*****
Ridgecrest Shell	. 10	2	.833	1/2
El Ranchito	. 8	5	.615	3
Magic Cleaners	. 7	5	.582	31/2
N.A.F.	. 4	8	.333	61/2
Genge	. 2	9	.183	8
VX-5		12	.077	10

10	(30 or more	AT	Dat	5)		
	Name-Team	AB	H	HR	RBI	Pc
	Dick Clodt, M.C.	30	13	0	10	.43
	Don Williams, M.C	32	13	3	8	.40
,	Drex Moulder, R.Shell	47	19	1	6	.40
	Denny Crager, Ace T.V	40	16	0	2	.40
	Roger Short, R.Shell	44	17	1	6	.38
	Bob Crawford, Ace T.V.	44	16	1	5	.36
	Al Hyles, R.Shell	45	15	7	19	.33
	Ron Brennecke, M.C	39	12	1	10	.30
	Andy Gilpin, R.Shell	33	10	7	8	.30
	Dick Rivers, M.C.	33	10	0	2	.30
	CALL SCHOOL STREET, CO. STREET	-	-	NAME OF	10000	

Now a new way to help your country as you help yourself U.S. SAVINGS BONDS NEW FREEDOM SHARES



BOWLERS SHOW APPRECIATION — Members of the Federal Credit Union "Loaners," a Monday night bowling team, presented a sponsors trohpy recently to Jess Goza, head of the NWC Federal Credit Union, which

sponsored their team. The girls, from left to right, are: Peggy Bell, Fayelene Thelen, Mary Andreasen, and Charlotte DeMarco. The trophy will be displayed at the Credit

Twenty Commands Represented

Personnel connected with the NWC Shrike Program hosted the first annual Integrated Logistics Support Conference at the China Lake Community Center during June 24 through

Paul Davis of NAVAIRSYS-COM was the Conference Chairman and Bill Porter, Code 4005, and Tom Jones, Code 5572, were co-hosts for

Over sixty people represent-ing twenty different commands were present to provide inputs and to establish criteria for future Shrike Fleet Sup-

The conference was broken down into five working committees including Publications, Maintenance, Training, Provisioning, and Surveillance.

The Publications committee was chaired by Bill Heim (NWC); Maintenance was chaired by Joe Sholtis (NAV-AIRSYSCOM): Training by Cdr. Ross (COMNAVAIRPAC); Provisioning by R. Galloway (NWC); and Surveillance, by Tom Jones (NWC).

pointment on the Maturango Highlights of the meeting Museum board of trustees, acwere presentations by NWC cording to James W. Baird, Publications, Code 5555, of all the manuals that included in-Dr. Bennett will fill the unputs for the Shrike system. expired term of Dr. Pierre St. During this presentation, an Amand, who has had to resign impressive display of over 137 because of committments as different documents were prehead of the Earth and Planesented.

On one of the meeting days, the group was transported to the Meteor Room at G-1 Range where Jesse Green, Code 5562, gave a display of the missile and associated test equipment.

In addition, Pete Bukoff of NAVAIRSYSCOM gave a comprehensive talk about the surveillance aspects of future storage sites and life tests, and Paul Davis, Conference chairman, outlined the 10 elements of Integrated Logistics Support for the Shrike missile and identified NAVAIR functional groups that have the responband, Dr. Hal Bennett, also an sibility for these functions.

Bennett built the display case Summer Help where the antique bottle collection is a perennial attraction To Be Hosted The new trustee was born in Kensington, Md., and attended At COM Party Mt. Holyoke College and Pen-

sylvania State University, of the NWC Professional Rewhere she earned her PhD in cruitment Panel, chaired by 1955. She and Dr. Hal Bennett annual Summer Party for Summer Employees, Junior Professionals, Faculty, and ed in the same department new Permanent Professional with her husband since they re- Employees at the Commissionported aboard the Center in ed Officers' Mess, Wednesday, 1956. During the summer the July 23, from 6 p.m. to Midcouple often take to the wilnight.

The affair will begin with a social hour from 6 to 7:30 p.m., followed by a banquet buffet from 7:30 to 9. Dancing to the music of the COMby showing movies and color NAVAIRPAC Band from San Diego from 9 till midnight will be a popular attraction. past years, a practice they The swimming pool will be available for use from 6 till Midnight. Small door prizes will be given to each person attending the event.

New employees are encouraged to bring their wife, husband, or a guest. Ticket sales will begin July 14, with tickets priced at \$3 per person. Tickets may be purchased from ticket representatives of the various codes.



LOGISTICS CONFERENCE - Shown above is a working group that was part of the first annual Integrated Logistics Support Confer-

ence held recently at the Community Center. Over sixty people representing twenty different commands attended the gathering.



AWARDS PRESENTATION — Members of Code 12 are pictured after receiving awards in Michelson Lab June 26. They are, back row, left to right, Al Hugo, Earl Towson, Ben Brown and Dick Kistler. Second row, left to right, Fred Bien, Joe McIntire and Gino LaMarca. Front row, Lonnie Cox, Don-

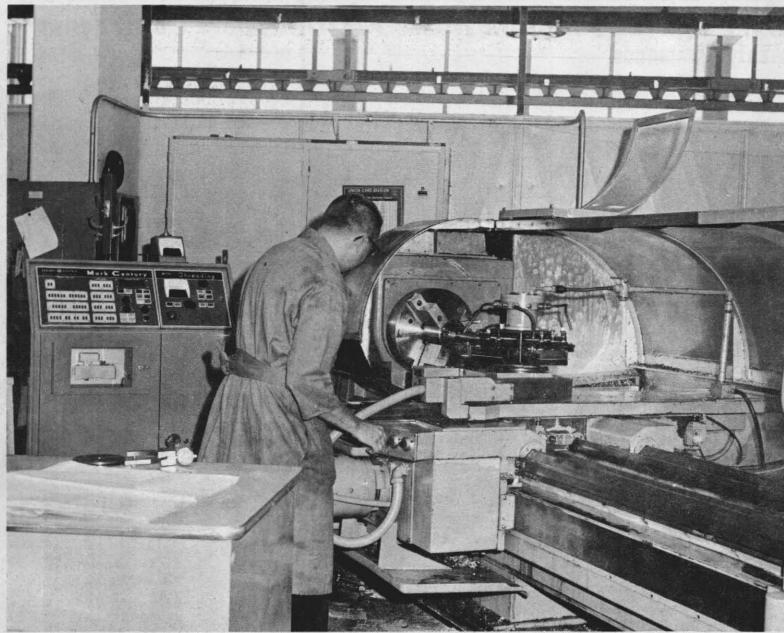
ald Kusterer and Norma Meuser. Hugo Brown, Bien, McIntire, LaMara, Kusterer and Meuser received two separate group awards for work they completed on a special study program for the Air Weapons Group. Towson and Kistler received Sustained Superior Performance awards.



PIN PRESENTATIONS — Employees of the Engineering Dept. are shown in Conference Rm. "A" in Michelson Lab after receiving service pin presentations ranging from 20 year Federal and 20 year NWC pins, to 30 year Federal pins. Shown are: front row, left to right, Marcella Sudderth, Raymond Cleland, George Holland, Harold Hockett,

and Arthur Harman. Second row, left to right, Edward Gallagher, Charles Nilson, Harry Walker, Alfred McDonald and Bill Moore. In the third row, left to right, are Walter Osborn, Donald Roets, Thomas Creasy, Earle Suladie, Carroll Frick, Hulcy Ridge and Francis Albers. Not present were Stephen Herzog and Warren Ridpath.

N/C Equipment Boon To Machining Tasks



AMERICAN LATHE — Everett Long, a machinist in Code 5545 completes an operation on an Numerically-controlled American full contouring lathe in the Engineering Depart-

ments machine shop. This machine is operated by a computer tape which has been programmed in a language that the machine can understand to perform machining.



HEALD ACRACENTER—Bill Hobaugh, Model Maker, is shown operating one of the Heald AcraCenter Continuous Path Full Contouring Milling Machine. In the foreground are ad-

ditional tools that will be used to complete the job. This machine can be used to mill complicated shapes as well as for drilling, tapping, and boring operations.



LOADING TAPE-Ed Bueltmann, Components Model Maker, prepares to run a program on the Heald AcraCenter. He is shown above loading the punched tape into the reader

which is set up to electronically actuate the machine once it has been set up to operate. The reader "reads" characters at the rate of 500 characters/second.



MONARCH LATHE - Jim Carter, Machine Model Maker, is shown above operating a Monarch Pathfinder full contouring lathe. The lathe turret has eight positions for tools which can be preset and indexed into position as called for by the

program. This lathe is capable of turning or boring various curves and tapers in addition to threading and conventional lathe operations for other jobs in the shop. These machines are also controlled by magnetic tape.

and equipment has been part come an increasingly importof the Center's Machine Shop ant and necessary means of inventory for the past few meeting assigned workload years. Known by the more schedules as well as rapidly familiar name, "N/C Equip- and accurately accomplishing ment," it has performed ma- highly critical tooling jobs. chining tasks that could not lished, due to the stringent limitations and time frames that have been involved in specific assignments.

In addition, while performing these tasks, the equipment has greatly decreased the manling, tapping, and turning.

At the Naval Weapons Cen-

Numerically — Controlled ter, the use of Numerically — Tape — Operated machinery Controlled equipment has be-

It can be used to make a otherwise have been accomp- single unique part for the experimenter or 200 identical copies of a part, for example, for a quick fix requirement in the fleet.

Around the country, Manufacturers and military opera-tions, particularly the NARFs, hours required for such operations as milling, boring, dril-trolled equipment for a variety of production jobs.

(Continued on Page 7)



CHECKING THE PROGRAM - Al Sievert, (I) Parts Programmer Supervisor, and Clint Hill, Engineering Technician Parts Programmer, check the computer produced listing prepared for a job on a Heald AcraCenter Milling Machine.



KEARNEY AND TRECKER MILL-This numerically controlled machine has an automatic tool changer and can be used to perform a variety of functions. Ed Bueltmann is shown above preparing to operate the machine after doing a dry run on the parts program. The program is processed on the Center's Univac 1108 Computer.