

Ballet Arts Theatre benefit performances net financial aid for museum, Ass'n for Retarded

The Ballet Arts Theatre, under the direction of Bette Jacks, has been recognized as the first founding member of the Maturango Museum during its current campaign to raise funds needed for the construction of a permanent building.

A Maturango Museum founder is an organization or individual who has contributed \$1,000 to the museum building fund. Mrs. Jacks, who is a life member of the museum, has succeeded in raising more than \$1,000 by presenting benefit performances of the Ballet Arts Theatre and conducting ballet classes for adults at special rates and turning the proceeds over to the museum.

A year ago, a total of \$812 was donated to the museum, while this year's benefit performance by the Ballet Arts Theatre brought in an additional \$778.50.

Proceeds from the programs presented during June of last year as well as a month ago by the Ballet Arts Theatre also were designated for the benefit of the Indian Wells Valley Association for the Retarded to assist in meeting the financial needs of Sunshine House, an activity center for handicapped adults.

The IWVAR received \$749 as its share of the total of \$1,527.50 that was brought in by Ballet Arts Theatre performances on June 11 and 12 at the Burroughs High School lecture center.

The highly professional and artistic



—Photo by John Dunker

QUEEN OF BURLESQUE — The final two performances of the Community Light Opera and Theater Association summer production of "Gypsy" — with Melissa Russell in the title role — will be presented tonight and tomorrow night at 8:15 at the Burroughs High School lecture center. Tickets, priced at \$4 for adults and \$2 for students, enlisted military personnel and senior citizens, are available at the Medical Arts Pharmacy, the Gift Mart and the Importium, all in Ridgecrest. They also will be on sale at the lecture center box office prior to each performance.



COLLEGE DRAMATISTS STUDY SCRIPT — Putting their heads together during a rehearsal for "The Murder of Lidice" are (clockwise) Florence Green, Galen White, Deanna Lottee, Dave Penrose, Karen Buehler, Roddy Watts and Mary Woodling. Based on the poem by Edna St. Vincent Millay, this is one of two one-act plays that will be presented on the evenings of July 21, 22 and 23 at the Cerro Coso Community College lecture hall.



BENEFIT BALLET PROCEEDS DISTRIBUTED — Bette Jacks (at left), director of the Ballet Arts Theatre, distributes the proceeds from the group's recent benefit ballet performances to Lorraine McClung, president of the Maturango Museum's board of trustees, and to Art Brown, president of the Indian Wells Valley Association for the Retarded — the two groups that shared in the \$1,527.50 which was raised by the staging of this event. Mrs. Jacks' continued fund-raising efforts on behalf of the museum have earned for the Ballet Arts Theatre the distinction of being recognized as the first founding member of the Maturango Museum during its present building fund drive.

—Photo by Ron Allen

calibre of the programs presented by the dancers who attend Ballet Arts Theatre classes has attracted appreciative audiences for many years. These performances also help the dancers themselves to gain the poise and self-confidence that comes from appearing on-stage before an audience.

The Maturango Museum is presently conducting a campaign to attract founding members, who will be recognized by having

Cerro Coso college dramatists to present two 1-act plays, July 21-23

Two one-act plays, both having the insanity of murder as their common theme, will open for a three night run next Thursday, July 21, at the Cerro Coso College lecture hall. Curtain time is 8:15 each evening.

According to Joyce Maltby, college drama instructor, one of the plays ("Chamber Music" by Arthur Kopit) provides a compelling glance into the mad-hatter world of true insanity. The plot offers insight into the tragedy of murder when a female ward at a mental institution becomes convinced that a male ward is a dangerous threat.

In "Chamber Music," Pat White portrays the woman with records, Deanna Lottee is seen as the woman in the safari outfit, and the girl in the gossamer dress is Melinda Maltby.

Others in the cast are Kathy Schimpf, as

the woman with armor; Florence Green, the woman with notebook; Jean Leahmann, the woman with gavel; Anne Maltby, the woman in the queenly Spanish garb, and Karen Buehler, as the woman in the aviatrix outfit.

The assistant at the mental institution is portrayed by Curtis Baker, and the man in white is Galen White.

The second one-act play, "The Murder of Lidice," is a dramatic presentation of the poem by the same name by Edna St. Vincent Millay. This poem has become one of the great literary classics opposing war atrocities.

This is a chronicle of Nazi terror in World War II. The play opens on a peaceful village scene, but horror mounts as Nazi soldiers enter Lidice on a reprisal mission to destroy every structure, kill every man and boy, drive the women into concentration camps, and herd the young girls into educational institutions.

Multi-media effects used throughout the verse-narrative production provide special dramatic impact.

Cast members include Florence Green as the mother, Galen White as the father, Karen Buehler as Byeta, and Roddy Watts portrays Jan.

Deanna Lottee is heard as Narrator 1, Mary Woodling serves as Narrator 2 and Dave Penrose is the third narrator. Guitarist Laurie King provides the background folk music.

General admission tickets are priced at \$2.50 each, and there is a \$1 admission charge for senior citizens and holders of Cerro Coso College student body cards.

Star party set tonight

A free public star party will be held tonight by the China Lake Astronomical Society beginning at 8:30 at the Sandquist Spa recreational area.

Weather permitting, telescopes will be set up for visitors to view such celestial objects as star clusters and gaseous nebulae within the Milky Way, and external galaxies.

SHOWBOAT

MOVIE RATINGS

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

(G) - ALL AGES ADMITTED

General Audiences

(PG) - ALL AGES ADMITTED

Parental Guidance Suggested

(R) - RESTRICTED

Under 17 requires accompanying

Parent or Adult Guardian

CS - Cinemascope

STD - Standard Movie Screen

Regular starting time—7:30 p.m.

Program subject to change without notice — please check marquee.

FRI. 15 JULY

"AGAINST A CROOKED SKY" (86 Min.)

Richard Boone, Stewart Paterson

(Western Drama) When an Indian prince from a hidden civilization abducts a young girl, her brother and father pursue. The brother (Paterson) nearly drowns while fording a river, but is saved by Richard Boone. Together they search for the girl. After many days, they meet an 80-year-old man who offers to escort them to "Crooked Sky," where the girl may be found. (PG)

SAT. 16 JULY

Free Matinee

"PHANTOM COWBOY"

1:30 p.m.

SAT. 16 JULY

"SPECIAL DELIVERY" (99 Min.)

Bo Svenson, Mel Scott

(Action Drama) A group of war veterans stage a bank robbery using techniques learned in Vietnam. When his confederates are caught, the sole survivor of the gang hides the loot in a mailbox and then tries to outwit the law and others who are hunting for it. (PG)

MON. 18 JULY

"SILVER STREAK" (114 Min.)

Richard Pryor, Jill Clayburgh, Gene Wilder

(Comedy) A mild-mannered publisher in dire need of rest goes on a three-day train journey from Los Angeles to Chicago. The trip proves anything but restful as he becomes energetically involved in a dangerous art swindle, several murders, an FBI manhunt, a train-board romance and the destruction of a Chicago railroad station. (PG)

WED. 20 JULY

"KIDNAPPED"

1:30 p.m.

(Animated Cartoon) Robert Louis Stevenson's classic of the adventures of young David Balfour in his attempt to regain his rightful inheritance. Suspense, laughter and tears are blended in this story of the Scottish highlands and the sea. (G)

WED. 20 JULY

"FUN WITH DICK AND JANE" (96 Min.)

Jane Fonda, George Segal

(Comedy) A high-paid aerospace engineer and his lady of leisure spouse, whose effort to keep up with the Joneses is shattered by his sudden unemployment, are reduced to stalking the unemployment lines (dressed in designer suits) and suffering through a qualifying interview for food stamps (while sipping champagne and munching on prime ribs). Then they stumble on an absurd but practical solution: they become "holdup persons," setting the stage for grand larceny to support their addictively luxurious lifestyle. (PG)

FRI. 22 JULY

"I WILL, I WILL FOR NOW" (108 Min.)

Elliott Gould, Diane Keaton

(Comedy) Gould plays a gambler and girl-chaser once married to Diane Keaton. They are reunited when they both attend the contract ceremony of a friend and her lover. Keaton has been spending her weekends with their lawyer friend (Paul Sorvino). Gould asks for a reconciliation and Keaton agrees to a 6-month "marriage" contract drawn up by Sorvino. (R)

Dances slated at Shuttle

Federal Choice, a rock band from Los Angeles, will be playing at The Shuttle tonight from 9 to 1. T-bone steak will be served in the dining room from 6 to 8:30 p.m.

On Saturday, Act, another Los Angeles-based rock band, will perform from 9 to 1.

U.S. Government Printing Office:
1976 — No. 1035

From: _____	PLACE STAMP HERE

To: _____	

nwc rocketeer

Naval Weapons Center
China Lake
California

July 15, 1977

Vol. XXXII, No. 28

INSIDE

Nat'l Space Week To Be Observed 3
Savings Bond Campaign Planned 4
Ice Cream Social Set Tuesday 5
Sports 6
River Raft Trip Slated 7
Benefit Ballet Proceeds Divided 8

Need seen for modernization of NWC's entire optical network

Project 21 calls for improved equipment on ranges in order to reduce test costs, add to capabilities

(Editor's note: This is part III of a series devoted to range test and facility modernization, as outlined in the Project 21 planning document.)

"The Naval Weapons Center's entire optical network needs upgrading and modernization. Right now we're limping along with equipment which puts us in the same position as someone who's trying to stretch some more life out of a car with 200,000 miles on it."

These are the words of Carl W. Koiner, head of Code 62's Range Optical Development Branch, who estimates that over 50 per cent of all tests at China Lake require some optical instrumentation for their evaluation. Such instrumentation is equally as important as radar in the conduct of these tests.

Three Major Types of Systems

There are three major types of optical systems in use at China Lake: cinetheodolites, tracking telescopes and fixed cameras.

Cinetheodolites are tracking instruments which gather precision trajectory data by producing a picture of the object being tracked, along with the azimuth and elevation angles of their line of sight and some indication of when the record was taken. About half of the 65 cinetheodolites in use at NWC were confiscated from the Germans after World War II.

Tracking telescopes provide sequential pictures of weapons tests. They are positioned on 25-year old M-45 machine gun mounts, having undergone extensive conversion for this use here at NWC.

Fixed camera systems are used to photograph tests which do not require tracking — the effectiveness of a warhead explosion, for example. One type, the CZR-1 Bowen camera system, was developed here

at the Naval Ordnance Test Station in the early 1950s, based on previous work by Dr. I. S. Bowen of the California Institute of Technology in the 1940s. The many other types of fixed cameras are high speed systems which provide event data from a variety of ordnance testing.

"If we had modernized in smaller increments as we had gone along, we would probably be in better shape today," noted Koiner, adding that the main purpose of the Center's modernization efforts in optical systems is more to decrease costs than it is to add to capabilities.

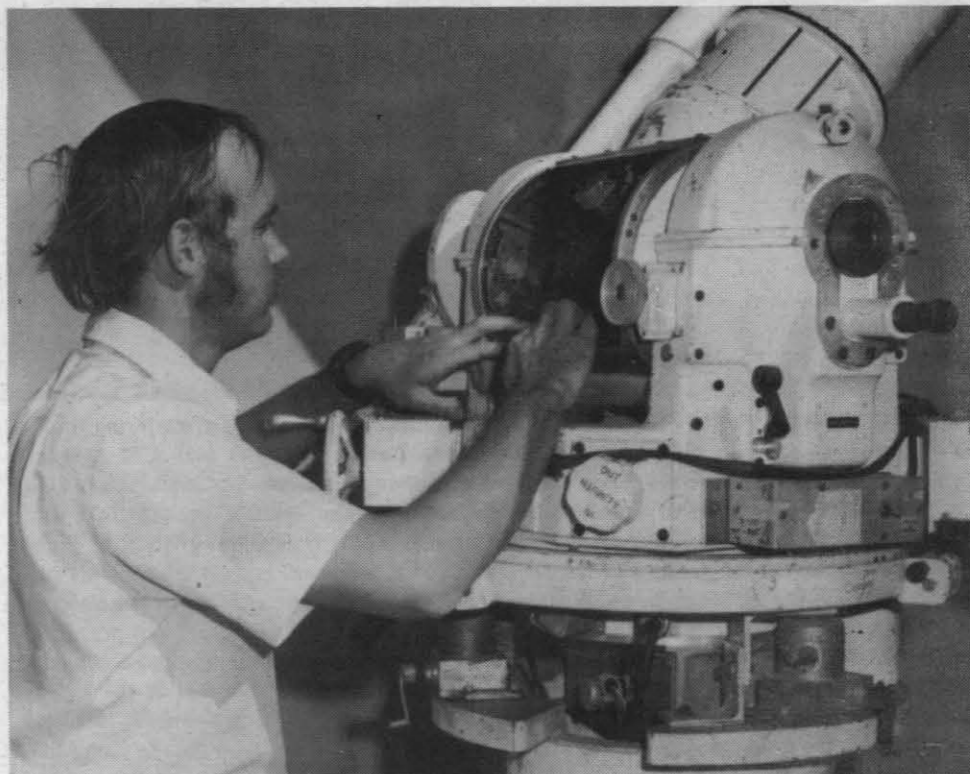
In order to keep the World War II-era instruments in operation, he explained, it is necessary for NWC technicians to fabricate parts and cannibalize others — "It's like we're running a junk yard, and unfortunately, our pool of useful systems is therefore being constantly depleted. In order to guard against breakdowns in the instruments and thus get higher reliability for gathering data on a particular test," Koiner said, "more instruments have to be scheduled per test than would be necessary with newer equipment."

Significant Investment

And optical systems represent a significant investment by the Center. On the NWC ranges are 45 permanently-installed cinetheodolites, five or six permanent and eight mobile M-45 tracking mounts for tracking telescopes, 35 mobile Bowen camera systems, and numerous fixed cameras. There are a total of 20 to 30 personnel involved in the optical effort here, who are responsible for maintenance, operation and developmental aspects of the work.

It is hoped, said Koiner, that the Center's present cinetheodolites can be replaced

(Continued on Page 3)



TIMEWORN EQUIPMENT — Louis C. Saddison, a test range tracker for Code 62, loads a 150 ft. length of 35 mm. color film into an "Askania" brand cinetheodolite inside a dome at G Range. Such aging instruments as these, which were brought here from Germany after World War II, are required to perform the important role of gathering precision trajectory data from tests at NWC, but require expensive maintenance in order to yield satisfactory reliability.

Action still pending on Center's request to cut back 150 billets

The Naval Weapons Center's request for authority to carry out a reduction in force (RIF) of approximately 150 positions in order to both realign the Center's workforce and meet the reduced Fiscal Year 77 ceiling of 4,069 remains under study in the Department of the Navy's Office of Legislative Affairs, it was reported this week.

A response to this proposal by NWC,

which was outlined in a talk presented early in April by Capt. Frederic H. M. Kinley, NWC Commander, during a meeting of Chapter 28 of the National Association of Supervisors, has been delayed for a number of reasons.

Congress is studying various pieces of legislation which call for different study groups to probe the matter of functional realignments, the impact of closing down Federal installations, and similar matters.

The Naval Weapons Center needs RIF authority in order to correct the imbalance in the skills mix on Center. There is a mistaken impression that any RIF is tied to the end of the fiscal year, but it is not, Eva Bien, head of the Personnel Department, stated.

Because there is a need to match employees' skills with the needs of the work assigned to the Center, when NWC officials receive authority to conduct a RIF, it will be used primarily to correct this imbalance, and also to streamline and realign the organization.

Request Submitted in December

The initial request seeking authority for a RIF was submitted last December. In February, NWC asked for a 45 position RIF (as an increment of the original request) in the Public Works Department, because of severe funding and organization problems in Code 26.

This latter request was tabled, however, pending a decision on the original 150 position RIF request. Then, in March, a third request was forwarded in an attempt to obtain permission to abolish some unnecessary positions as a means of trying to balance the NWC workforce.

At that time, no one was to be separated due to a RIF, but (as before) action on this request also is being held in abeyance pending resolution of the original request for cutting back some 150 positions on Center.

Center employees will be advised periodically of the status of this action.



BRIEFED ON COSO GEOTHERMAL AREA POTENTIAL

Five members of the Inyo County Board of Supervisors, accompanied by John Smith (at right), the Inyo County administrator, were taken on a tour of the Coso Hot Springs area on Thursday of last week, and then assembled here later in the Administration Building conference room to view film slides and hear a report presented by Dr. Carl Austin (standing), head of the Public Works Department's Geothermal Utilization Division. Seated around the table are (l.-r.) Capt. Robert B. Wilson, head of the Public Works Department; Inyo County Supervisors Richard McDonald, V. E. "Johnny" Johnson, Dick Engel and Wilma Muth. The Inyo County officials were met at the Little Lake Hotel by Dr. Austin and Carl Halsey, head of the Code 26 Geothermal Operations Branch, and were then escorted to the Coso Hot

Springs area where they were shown some of the work that has been done for the purpose of evaluating the extensive geophysical studies which have been conducted for the purpose of determining the potential that exists for geothermal energy development in that region. The hot springs are located in a portion of the Naval Weapons Center's range area that extends into Inyo County. After lunch, the county supervisors listened to the briefing presented by Dr. Austin and also saw a collection of film slides that were taken during various phases of the investigative work that has been carried out at Coso Hot Springs. Also present to meet the Inyo County officials were Capt. Frederic H. M. Kinley, NWC Commander; John DiPol, acting head of the Range Department, and Harry Parode, head of the NWC Office of Information. More extensive drilling work is planned.

—Photo by Ron Allen



HISTORIC "FIRST" — China Lake now has its first all-female crew flying the C-131F Convair in the persons of AD3 Diana Bunker (at left) and AT2 Janeece Carver. On hand to mark the occasion with them are Capt. Sig Stocking (second from right), head of the Aircraft Department and NWC's Deputy Test and Evaluation Director, and Gary Bailey, assistant base operations officer. As flight attendant on the crew, AT2 Carver checks passengers on and off the aircraft and helps with loading of cargo. A native of Midland, Tex., she enlisted in the Navy in October, 1974, arrived at China Lake in May of the following year, and presently works in the AT Shop. AD3 Bunker, as flight engineer, monitors gauges and backs up the pilot and copilot in emergency procedures. Now a member of the Power Plants Division, the Yuba City, Calif., native enlisted in September 1974 and reported for duty at China Lake in February 1975. —Photo by Ron Allen

Long-time college administrator, teacher, now NWC summer employee

The NWC Office of Finance and Management this summer is tapping the background and experience of a lecturer in accounting at California State College in Bakersfield who, before moving west in 1974, had been a college teacher and administrator for 41 years.

This summer employee is Charles Edgette, who has been assigned to handle special problem investigation in the Financial Operations Division of the Office

of Finance and Management.

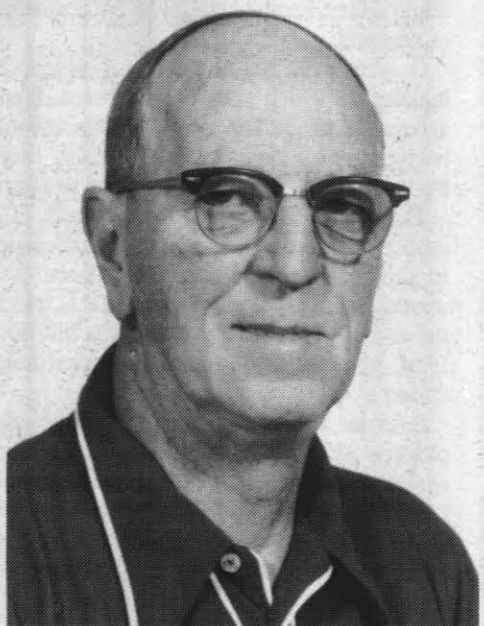
Edgette, who began his college teaching career in 1933 at Niagara University in Niagara, N.Y. remained there for 41 years—putting in 19 years as university's dean of business administration.

He has a bachelor of business administration degree and a doctor of commercial science degree—both from St. John's University in New York City—and was awarded an honorary Doctor of Pedagogy degree by Niagara University.

During the more than four decades that he spent at Niagara University, Edgette was involved in a wide variety of college teaching and administrative duties, ranging from classroom instruction to serving as registrar, director of evening programs and Armed Forces contract officer.

He also handled accounting consultant assignments with such firms as the Hooker Chemical Corp., the Manufacturers and Traders Trust Co. in Buffalo, N.Y., and with Bell Aerosystems.

In addition to his work with Code 08, he is teaching two accounting classes here this summer. They are a basic course in accounting concepts that is being held on Tuesdays from 2:30 to 6:30 p.m. at the Training Center, and an accounting course for management decision makers, which is offered Mondays and Thursdays from 4 to 6 and 7 to 9 p.m., also at the Training Center.



Charles Edgette

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

Capt. Frederic H.M. Kinley
NWC Commander
R.M. Hillyer
Acting Technical Director
Dr. Robert H. Pearson

Head,
Technical Information Department

Don R. Yockey

Editor

Jim Stansell

Associate Editor

Terrie Jacks

Editorial Assistant

Ron Allen

Staff Photographer



DEADLINES

News Stories
Photographs
The Rocketeer receives Armed Forces Press Service material. All are of official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.
Phones 3354, 3355, 2347

Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 096 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Clerk (Typing), GS-301-4 / 5, PD No. 7525097N, Code 259 — This position is located in the Material Division of the Supply Department. The purpose of the division is to provide material support to the departments and commands by performing services, including receiving and shipping of personal property, custody storage, receipt, storage, issue and delivery of materials, and packing, crating and shipping of materials off-center. The incumbent will perform the duties of secretary to the head of the Material Division. The duties include frequent personal and telephone contacts with individuals from all levels of the Naval Weapons Center, and with representatives of business and industry in connection with division functions; the collection and presentation of data concerning the operation of the Material Division; office management, procurement of supplies, and maintenance and administration of records; origination and preparation of correspondence; and performance of other clerical tasks required. **Job Relevant Criteria:** Ability to type accurately, telephone answering skills, receptionist abilities, reliability and dependability.

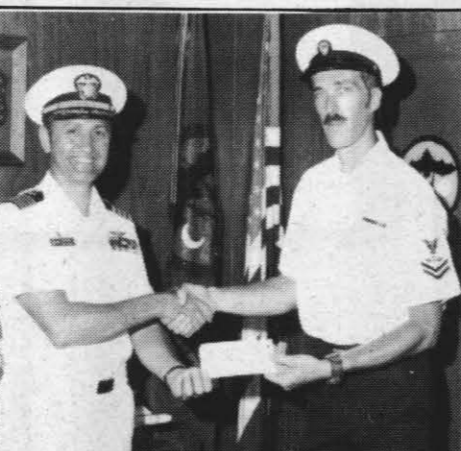
Electronics Engineer, GS-855-9 / 11 / 12, PD No. 7733042E, Code 3332 — Previous applicants need not reapply. This position is located in the Fuse Project Branch (III), Development Division I, Fuse Department. Utilizing experience in the fields of electronics, physics, antennas and transmission lines, the incumbent designs and develops unique electronic systems and circuits for specific missile fuze applications; performs theoretical and experimental analysis in the process of designing new circuits that may have a future application in fuze systems; designs and correlates the development of test instrumentation; and serves as a consultant to contractors involved in the fabrication of developmental models, prototypes and test equipment. **Job Relevant Criteria:** Knowledge of physics, electronics, electro-magnetic wave theory and applied mathematics; ability to plan and conduct measurements of almost every kind; experience in electronic circuit design and evaluation relating to guided missile fuze.

File applications for the above with Terry Rowell, Bldg. 24, Rm. 210, Ph. 2371.

Electrician (Test Control Systems) Foreman, WS-2881-10, JD No. 7537016E, Code 6223 — This position is located in the Ground Operations Branch, Range Department. Duties are to provide supervision to journeymen involved in the construction, modification, operation and maintenance of sequence programming systems utilized for the control of experimental rockets, guided missiles and ordnance testing. Applicants must possess enough knowledge and abilities in the following elements to perform the duties of the position in the trades supervised: Ability to supervise; technical practices; ability to interpret instructions, specifications, etc.; knowledge of materials and of pertinent tools and equipment. File SF-172 and supplemental wage grade supervisory information sheet with Code 096 to be received not later than Aug. 1, 1977. Forms may be obtained in Rm. 208 of the Personnel Bldg.

Secretary (Typing), GS-318-5, PD No. 7761009, Code 612 — This position is located in the Aircraft Support Division. Duties are to act as a personal assistant to the division head, screen telephone and personal callers, read and review mail, prepare correspondence, and prepare and maintain personnel rosters and other reports and liaison as required. **Job Relevant Criteria:** Experience in office management; must exhibit initiative and good judgment, and must possess high degree of tact and diplomacy; familiarity with military office requirements.

File applications for the above with Carol Downard, Bldg. 34, Rm. 208, Ph. 3277.



—Photo by PH2 Terry Miles

\$100 RICHER — Aviation Fire Control Technician Second Class Dennis Raitz (at right) receives a \$100 Beneficial Suggestion award from his skipper, Capt. L. E. Giuliani, Commanding Officer of Air Test and Evaluation Squadron Five, during a recent ceremony at the latter's office. AQ2 Raitz, whose job is to maintain the tactical computer and the radar in the A-7 Corsair II, works in VX-5's AQ Shop. His suggestion was for redesigning a washer used in the A-7 which was round and required a \$360 tool to adjust. AQ2 Raitz converted this washer into a ¾-in. hexagonal nut which requires only the standard ¾-in. socket wrench for adjustment, thus eliminating need for the special tool.

Clerk-Typist, GS-322-3, PD No. 7370109N, Code 24601 — This position is located in the Procurement Section of the Maintenance-Utilities Division of the Public Works Department. The incumbent performs general clerical and processing duties for the section, which coordinates all procurement actions for the Public Works Department with the Supply Department. These duties include screening and processing bills of material, typing and filing, and preparing correspondence. **Job Relevant Criteria:** Reliability and dependability; ability to get along with others in the work group; ability to type efficiently and accurately; knowledge of shop terms; ability to meet deadlines under pressure. Promotion potential to GS-4.

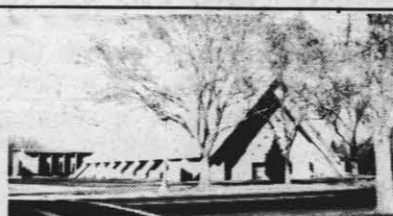
Mathematician, GS-1520-5, PD No. 7731058, Code 3193 — This position is located in the Facilities Software Branch of the Systems Development Department. Major job functions include system simulation, development and programming of software programs for aircraft weapons applications. Incumbent will work under close supervision in carrying out assigned duties. **Job Relevant Criteria:** Bachelor's degree or equivalent in the mathematics or engineering field; familiarity with third generation computers; knowledge of higher-level programming language. Promotion potential to GS-12.

Automotive Mechanic, WG-5023-10, JD No. 172-1, Code 267 — This position is located in the Transportation Division, Public Works Department. The incumbent maintains, repairs, overhauls and modifies such automotive types of equipment as sedans, pick-up trucks, trailers, aircraft support equipment and/or various other small types of equipment powered by a gasoline engine or an electric storage battery, such as materials handling equipment. Large gasoline-powered trucks and buses are included. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; knowledge of equipment assembly, installation, repairs, etc.; technical practices and troubleshooting; ability to use hand tools, engine equipment, power tools, auxiliary machines, accessories and equipment; ability to use measuring tools, mechanical gauges, instruments, diagnostic and test equipment; ability to read and interpret blueprints, instructions, specifications, etc. Previous applicants need not re-apply.

Clerk, GS-301-4, PD No. 7670027N, Code 26414 — This position is located in the Public Works Department, Maintenance and Utilities Division, Operation and Services Branch, Service Call Section. The incumbent receives and processes service calls for shop accomplishment by phone, memo or personal contact; maintains brief, simple records and furnishes reports to management, such as weekly service call progress report, etc.; provides assistance to maintain various office files; screens/distributes mail and other clerical duties. **Job Relevant Criteria:** Ability to apply judgment and knowledge accurately and efficiently to situations that may arise; ability to use tact and diplomacy for telephone and personal contacts; ability to perform various clerical duties such as screening/distributing mail, filing, etc.

Engineer (Interdisciplinary), GS-800-11 / 12, PD No. 7570030E, Code 26307 — This position is interdisciplinary in

(Continued on Page 4)



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1015
Sunday School — All Ages 0900
Sunday School Classes are held in Chapel Annexes 1,2,4 (Dorms 5, 6, 8) located opposite the former Center Restaurant.
Communion Service first Sunday of the Month.

ECUMENICAL
Wednesday Noon Bible Study 1130
Thursday Men's Prayer Breakfast 0630

ROMAN CATHOLIC
MASS
Saturday 1700 fulfills Sunday obligation

Sunday 0700 0830 1130
Nursery, Chapel Annex 1 0815-1249
Daily except Saturday, 1135, Blessed Sacrament Chapel

CONFESSIONS
Daily 1115 to 1130
Saturday 1615 to 1645
Sunday 0800 to 0825

RELIGIOUS EDUCATION CLASSES
Sunday Pre-School thru 4th grades 1015
Wednesday Kindergarten thru sixth 1530
Sunday seventh & eighth (Junior High) 1900
Above classes are held in the Chapel Annexes across from the former Center Restaurant.
Sunday evening Ninth thru 12th grades
As announced "In Home" Discussion Groups Youth Rallies

Contact Chaplain's Office for specifics.

JEWISH SERVICES
EAST WING — ALL FAITH CHAPEL
Sabbath Services every Friday 1930

UNITARIANS
CHAPEL ANNEX 95
Services — (Sept.-May) 1930

Sunday

Softball results . . .

(Continued from Page 6)

Pat Kennedy, Tim Strawmyre and Steve Mendenhall. The Royals, held to just nine hits, were paced by the double and single of Dave Crandell.

Bird Olds won a big game when they came out on top of NALC by the score of 19-11. Top hitters for Bird Olds were Jim Tyrrell and Max Moffit, and Dave Taylor was robbed of a home run in the seventh on a sparkling catch by NALC centerfielder Jerry Mather. The losers were led by the strong hitting of Terry Crow and Art Donaldson.

In a Men's Fast Pitch Division schedule shortened because of the July 4th holiday, BSCF outdueled John's Pizza, 14-6; Valley Industrial squeezed by WK Equipment, 11-9, and Fisher Plastering continued their winning ways by bombing the Hawks, 20-2.

Women's Division Results

Terry Giles pitched her VIP teammates to a 9-5 victory over CSC in Women's Fast Pitch Division action last week, and recorded a remarkable nine strikeouts in the process. Leading hitters for the winners, besides the pitcher herself, were Charlotte Wee, Billie Summers, and Beth Rohrer.

The T.J. Frisbee gals, who could field a team of only six players, lost in a valiant effort to Brand X, 27-14. Pitching for the winners in this game, which was called after five innings of play, were Bobby Gould and Gina LaMarca.

Darlas Moorhead, Jan Bledsoe and Ginger Hamaty provided most of the scoring punch in Best Realty's 27-14 win over Avant, while, in other action, Murray Construction was hammered by Desert Meats, 16-0 (a victim of winning pitcher Karen Sorge), and the "Charlie Browns" of the league — the Dusty Dames — had to get out of the way as Comarco rolled over them, 21-0, behind the shutout pitching of Jo Chaschoff.

Graham Associates to end season with twin bills at Fresno

The Graham Associates, all-star team entered in the Northern California Congress Softball League, will travel to Fresno for a pair of double-headers that will wind up the regular league season.

The local nine will tangle with Bruner's in games that are scheduled at 6 and 8 p.m. Saturday, while on Sunday it will be the league-leading Sal's Windchills team against Graham Associates at noon and 2 p.m.

The Graham Associates got off to a rousing start last weekend in a tournament at Palmdale as Dave Strickland pitched a 9-0 no-hit shutout for the locals over a Palmdale-Lancaster area team.

With a number of their regular players unable to make the trip to Palmdale, the Graham Associates had to call on reserves and dropped the next two games in this double elimination tournament by identical scores of 10-2.

The Fleet Parts team from Bakersfield knocked off the locals in their second tournament appearance at Palmdale, and the Graham Associates squad was then eliminated by losing to the Hires Market squad of Lancaster.

Applications accepted for coach of IWV swim team

Applications are now being accepted for the position of coach of the Indian Wells Valley swim team, according to Don Featherston, president of the organization.

Anyone who has completed the Red Cross water safety instruction course and who has some teaching experience is eligible to apply for the job of coaching the approximately 70 members, ages 6 through 18, of this recreational swim team. The team, co-sponsored by the NWC Special Services Division, uses both the Commissioned Officers' Mess and indoor (gymnasium) pools.

Interested persons should contact Featherston no later than Aug. 6 by calling 375-7610 or NWC ext. 2214.

Employee in the Spotlight



Dianne B. Murray

chance to think. The work isn't something that can be done automatically or routinely all day long. I'm excited, because things always seem to be more interesting when you're involved in a learning process."

Moreover, Dianne is in training for a position as a supply systems analyst. The Planning and Analysis Branch is concerned with three major areas of work: fiscal, analytical and automatic data processing. In learning this new job, she spends about 80 per cent of her time doing "budget-like" things (such as the zero-based budget, overtime and status of funds work), and 20 per cent in analysis, performing workload procedure and reorganization studies.

According to our employee in the spotlight, "This is certainly a stimulating new job I have because it gives a person a

Mets win race for Farm Div. title in 2nd half of season

The scrappy Mets, by notching two more victories last week, won the Farm Division title for the second half of the China Lake Little League season.

In their first game of the week, the champs got by the second-place Angels by a score of 21-14, despite the hot bat of the Angels' Kyle Leckey, who had two triples and two singles in the game. In their second contest of the week, the Mets edged the Cubs, 12-11. Rob Mahan had two doubles and two singles in a losing cause for the Cubs.

The Reds also came through with a pair of wins last week as they downed the Cubs, 23-22, and the Padres, 18-17. Hitting stars for the Reds in the first game were Scott Thompson, Todd Moore and Kyle Blecha, while George Franz was the top batter for the Cubs. In the final game of the week, the Padres clipped the Angels, 17-15.

Results as of Saturday, July 9:
Farm Division (final standings)
Team Won Lost
Mets 5 1
Angels 2 3
Cubs 3 3
Padres 2 4
Reds 2 4



EDUCATIONAL ADVENTURE — Riding the white water of the Klamath River is only one of the exciting aspects of a special course being offered by Cerro Coso Community College beginning July 28. Participants will learn to read the river, run the rapids, command a team of paddlers and work together as a team. The trip will take students through some of the most beautiful scenery in the United States.

bookkeeper in the General Accounting Branch of Code 08. She stayed there for two years, until assuming her present position.

"I learned everything I could in General Accounting," says Dianne, "not only my own job, but that of other people, too, in order to get an over-all background. I won't say that I sat down at anyone else's desk and did their work, but I understood what was happening so that I could help out. I like to understand as much as possible about each of my jobs."

Learning-conscious as ever, Dianne, while in General Accounting, took a number of Training Center courses that helped her expand her career horizons. In addition, just last June, she finished up her course work on Center for a B.A. degree in liberal arts from the Consortium of California State Colleges and Universities. Having completed a degree program which she interrupted at California State University at Fresno 14 years ago, she now plans to pursue a master's degree in public administration — also through the Consortium.

Favorite Recreation

A fun-filled learning experience which she shares with John, her husband of 10 years, centers around their 37-ft. Brown Searunner Trimaran, named Strider. Although John had had some experience in sailing before, the couple, since buying the craft a few years ago, signed up for some seamanship and navigation courses with Flotilla 76, the local U.S. Coast Guard Auxiliary. That was only a beginning, because now Dianne is on her second tour of duty as the group's public relations chairman.

Once bit by the "bug," the Murrys joined the Indian Wells Valley Council of the Navy League of the United States about a year ago, having already been to several of the group's Bluejacket of the Year dinners. "This seemed to us to be a worthwhile organization," explains Dianne, "because the Navy League supports not only the Navy, of course, but also the other maritime services — the Coast Guard, Marines and Merchant Marine."

Last May, Dianne took over as the first woman president ever elected by the local council. "My main goal now," she says, "is to involve our group in more active support of all four of the seapower services."

Class in river-running skills to be offered by college starting July 28

A special class, culminating in a 5-day trip by raft down the mighty Klamath River in northern California, is being offered by Cerro Coso Community College.

The course will consist of two pre-trip classroom orientation sessions (held July 28 and Aug. 4 at the college), the actual trip (Aug. 15 through 19), and a follow-up session held at the college on Aug. 31.

A fee of \$150 will be charged each student to cover the cost of food, river equipment and insurance. Participants must provide their own outdoor clothing, sleeping bag,

mess gear and toilet articles.

Rick Roberts and Edwin Alden, both NWC employees, will co-instruct this class, which is designed not only to teach river-running skills, but also learning to work as a team.

Roberts has been operating river raft trips down the Kern River for several years. An NWC employee, he has had an intense interest in running rivers for over 12 years, and has twice run the famous white waters of Colorado.

Alden is in training and management at NWC. He uses river runs as a laboratory for providing students with a relative personal experience.

During orientation sessions that are planned, teams will be established that will form the basis for arranging transportation, raft teams, cook pools and learning groups. In addition, an overview of the 5-day adventure will be presented and students will receive a complete list of personal equipment needed for the trip.

Roberts and Alden see this course as "high adventure at its best." Traveling through the rugged timber of unspoiled mountains, participants will enjoy white water thrills, superb scenery and excellent campsites. The area traveled offers an abundance of waterfowl and wildlife such as the great blue heron, osprey, bald eagle, mink and beaver.

Interested persons may register at the college's office of admissions and record Monday through Thursday from 9 a.m. to 7:30 p.m. and on Friday from 9 a.m. to 4:30 p.m. Registration closes on July 22 or when the quota of 30 students has been reached.

China Lakers are local Major Div. champs

Kirk Cathey threw a one-hitter and his teammates put together six timely hits and a bit of snappy baserunning to give the China Lake Yankees a 2-1 victory over the Ridgecrest Yankees on Tuesday night in the traditional annual contest between the Major Division champions of the two local Little League organizations.

The significance of the China Lake victory was emphasized by the fact that by it, the pitcher for the Ridgecrest Yankees — Duane Thomas — suffered his only loss of the year, after compiling a sparkling 8-0 record in regular season play. It was appropriate, however, that Thomas, as his team's leading RBI man and holder of a hefty .475 batting average over the course of the season, was responsible for Ridgecrest's only hit of the game — a two-out single in the very first inning.

Approximately 400 fans saw the teams locked in a scoreless tie until the bottom of the fourth inning, when China Lake's third baseman, Fred Brandt, led off with a single. The next batter up, first baseman Mark

Kaupp, also chimed in with a single, and things looked good for the Center team with two men on base and none out.

The next few moments were almost disastrous, however, as Daniel Means, the catcher, hit a pop-up to the shortstop. Inexplicably, Brandt came off second base just after the ball was caught and was easily doubled up. So, with two out, China Lake shortstop Kevin Blecha came up to bat with a teammate on first base. He slapped a hard single, however, and the speedy Kaupp managed to score on it by sliding in home just ahead of the throw to the plate.

In the top half of the fifth inning, though, the Ridgecrest Yanks charged back and knotted the score without even getting a hit. Their leadoff batter, left fielder Brad Binns, struck out, but the next man up, right fielder Andy Bruckman, was awarded first base after being hit by a pitch. He was forced at second base, however, when third baseman Tommy Legg bunted back to the pitcher. A walk to second baseman Jim Paradise then put runners on first and

second with two out.

This set the stage for shortstop Todd Owen's pop-up to the first baseman. Kaupp dropped the ball for an error, allowing Legg to travel around the basepaths and tie the game at 1-1. With two out, Ridgecrest thus had runners on first and third, and coming up to bat was none other than Thomas.

The China Lake strategists decided to issue him four wide ones, however, and so Ridgecrest's most fearsome hitter walked — the first time all season long that he had done so. Cathey was then able to get out of the inning with no further damage as he struck out first baseman Mike Bailey with the bases loaded.

For awhile it looked as though the game might go beyond the regulation six innings, even when China Lake's Brandt led off the bottom half of that frame with a single. The next batter up, Kaupp, struck out, and Brandt was thrown out by Ridgecrest catcher Mike Braithwaite while trying to steal second base on the third strike.

However, with two out, Means unloaded a long triple up the right-center field alley which hopped to the fence. The next batter up was Blecha, and on an 0-1 count, Braithwaite let a low outside pitch get by him for a pass ball, and Means, hustling down the line from third base, just slid under the attempted tag by Thomas, who had come from the mound to cover home plate when his catcher tried to recover. And that was the ball game.

China Lake manager Steve Kaupp credited his Yankees' dramatic victory to "a combination of Cathey's outstanding pitching — his best performance of the year — and our ability to hit Thomas like he hadn't been hit before. This was a total team effort, as evidenced by the fact that our six hits were scattered among five players. And I have to give a lot of credit to Means for catching an outstanding game."

Final statistics at the close of the contest showed that each pitcher struck out ten batters while going the distance. Cathey issued three walks, and Thomas, one. China Lake players made two miscues in the field, while Ridgecrest played errorless ball.

Senior Div. tourney set

The opening round of action in the double elimination tournament for the Little League's Senior Division District 51 championship will begin at Kerr-McGee Field in Ridgecrest on Monday at 8 a.m. when the combined all-stars of China Lake and Ridgecrest meet their counterparts from Lancaster.

Other teams competing in the tournament will be those from Tehachapi, Mojave and Bishop. Preliminary contests will be played until Friday, July 22, when the championship game between the two top teams will be held at 5 p.m. at Kerr-McGee Field.

Grand Good softballers take over 2nd place in Men's Slow Pitch Div.

By Anita Paiz and Bernadette McGraw

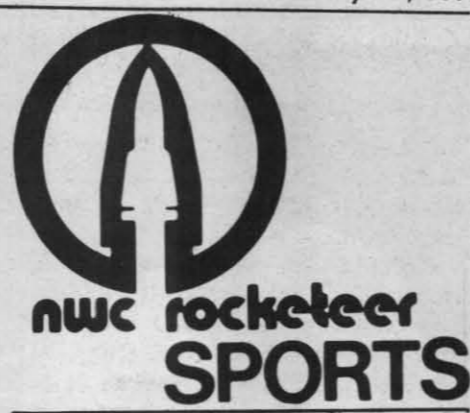
The Grand Good sluggers moved into second place of the Men's Slow Pitch Division of the Intramural Softball League last week as they handled the Knights royally, 22-9.

In fact, the game ended in the fifth inning because the winners had a 10 run lead at that time. Grand Good started out with a comfortable 12-0 lead in the top of the first inning with four singles, three doubles, two triples, and home runs by Mike Machowski and Doug Nelson.

Thereafter, round-trippers for Grand Good were bombed by Art Lloyd, Jeff Hathaway and another by Nelson.

The Knights scored two runs in the second frame on a home run by Moe Hunsaker. They added three more runs in the third on five well-spaced hits, and four more in the fifth, thanks to a homer with two men on base by Ron Keck.

In the second game of the week, the VX-5 nine humbled the 10 Commandments by a score of 26-13, on the strength of home runs by Mike Coley and Leonard Grabowski, and



Doug's Corner

Entries accepted for July 24 golf tourney at Bishop

Entries are now being accepted for membership on the team that will represent China Lake at the home and home round robin golf tournament, slated to be held July 24 at Bishop.

Both men and women are eligible to compete, but must be members of the China Lake Golf Club and have established Southern California Golf Association handicaps.

This will be an individual medal play event, with full handicaps used. Only the 10 low scorers from each team — Lone Pine, Bishop and China Lake — will contribute points toward a perpetual trophy that will be awarded at the conclusion of the third and final match, which will be played at China Lake on Oct. 23.

At each match, prizes will be awarded to the six low net and two low gross scorers. Persons interested in participating should sign up on the sheet posted at the China Lake Golf Club no later than 5 p.m. on Wednesday.

Further information may be obtained by contacting Jim Smith at NWC ext. 7303 or 375-5986.

Water Exercise Classes

A new series of water exercises classes for women will begin at the Chief Petty Officers' Club pool on Monday and continue on weekdays through July 29.

Participants may select from either the 9 to 10 a.m. or the 10 to 11 a.m. class, both of which will be instructed by Nancy Branch. Course fee is \$10 per student.

Signups may be made now at the gymnasium office.

Slow Pitch Tryouts

Tryouts for China Lake's entry in the Mojave Desert Inter-Service League slow pitch tournament will be held on July 23 and 24 at Schoeffel Field South, beginning at 10 a.m.

Anyone wishing to play on the team is required to participate in the tryouts. The tournament will be held Aug. 19 through 21 at Nellis Air Force Base, Las Vegas.

four-for-four hitting performances by Dale Chavez and Louis Kilpatrick.

Another game which ended in the fifth inning because of the 10-run rule was that between NALC and the Rat Pack, with the former coming out on top, 20-6. Leading hitters for the winners were Jerry Mather, Terry Crow and Bruce Ziegler, each of whom had a home run and several other hits.

Shacklett's won their twelfth game of the season by racking up Pizza Villa, 20-10 in a game which — you guessed it — was cut short in the sixth inning because of the 10 run rule. For the winners, round-trippers were hit by Norm Stevenson, Scott Shacklett (3), Gordie Irvin (2), Andy Gilpin and Duane Stevenson. The Villa's best hitters during the contest were Phil Bowen and Jim Bevan.

The 10-run rule struck again when the Zephyrs and Royals squared off, with the wind machine blowing down their opposition, 22-7, by the time the game was mercifully called in the fifth frame. Leading hitters for the victors were Gary Pickens,

(Continued on Page 7)

HN Richard Janushan chosen as NWC Sailor of Month for June

Hospitalman Richard A. Janushan, a native of Madera, Calif., has been named the Naval Weapons Center's Sailor of the Month for June.

HN Janushan, assigned to the local branch hospital of the Naval Regional Medical Center, Long Beach, since June of last year, works in the Central Supply and Minor Surgery Department. He is responsible for keeping dispensary equipment sterile, maintaining stocks of supplies and assisting in minor surgery.

"I like my job because it's challenging and it seems I learn something every day," says June's Sailor of the Month. "Besides that," he adds, "I get to work with a lot of interesting people."

According to Capt. R. W. Taylor, officer-in-charge of the local branch hospital, "HN Janushan appears to take great pride in anything he does. He may be relied upon to be sincere, careful and correct in the

people, something I like very much."

The 21-year-old bachelor attended basic training in San Diego and received a meritorious advancement to E-2 upon graduation. In June 1976 he was graduated from "A" School with honors, and reported to China Lake for his first duty assignment in the Outpatient Department until he assumed his present position last November.

In his spare time, HN Janushan is getting some basic course requirements out of the way at Cerro Coso Community College in preparation, possibly, for pursuing a career as a doctor.

For his selection as Sailor of the Month, HN Janushan will receive a 96-hr. liberty pass and a free dinner for two at The Shuttle.

Optical network . . .

(Continued from Page 1)

with new ones, although not on a one-for-one basis. Ultimately, though, future systems will probably be components of the on-axis radar system, a precision radar that directs optical systems and provides precision data. Such instrumentation offers the advantage of requiring fewer operators and units than does use of cinetheodolites.

An important modernization technique, according to Koerner, would be the wider application of television to both fixed and tracking systems in order to replace cameras and film with TV cameras and their reusable video tape. Television imagery can be digitized and processed in real time — the data can be stored and processed at the same time the picture is being taken. Presently, television is used on the M-45 camera mounts and should later be added to the cinetheodolites. Because the processing costs of TV video tape are considerably less than those of cameras requiring regular film, NWC expects to save a good deal of money by this changeover.

Advantages of Modernization

Modernization of optical systems should not only result in cost savings, but, secondarily, should increase the Center's ability to track faster weapons over longer distances, through the application of larger lenses with greater focal lengths and cameras which can expose more frames per second.

At the present time, in lieu of funds to modernize the Center's capabilities with new equipment, said Koerner, an attempt is being made to add to the effectiveness of the present cinetheodolites by improving their control systems, thus making them easier to operate.

"What we really need, though," Koerner concluded, "are the funds to effect major, cost-saving improvements through the acquisition of new instruments. Until then, we'll have to keep things together as best we can. But how long can you keep patching up that 200,000-mile car?"

Confusion about showing passes at gate clarified

The article in the July 1 issue of The ROCKETEER about showing driver's passes during traffic rush hours not being required has caused considerable confusion.

A large number of drivers have incorrectly interpreted the article to mean that passes need not be shown to the guard during any time there appears to be traffic congestion in the morning or noon "rush" hours.

There has been no change to the designated morning and noon "rush" hours times when drivers of vehicles with valid bumper decals are waved through without display of a valid access pass. The times are 7 to 7:45 a.m. and noon to 12:45 p.m., as announced in the Jan. 28, 1977, issue of The ROCKETEER.



PROCLAMATION SIGNED — Launching the local observance of U.S. National Space Week, a proclamation was signed by Capt. Frederic H. M. Kinley, NWC Commander, and Mayor Ted Edwards, on behalf of the City of Ridgecrest. Signing of the proclamation was witnessed by (standing, l.-r.) Tony Miller, Bruce Bartels, Ray Van Aken and Bill Marsh, who are members of the American Society for Quality Control, California Society of Professional Engineers, American Institute of Aeronautics and Astronautics and the Society of Manufacturing Engineers, respectively — four of the nine engineering societies whose local chapters have made the preparations for the local observance of National Space Week, July 17 through 23.

—Photo by Ron Allen

Trip to inspect B-1 bomber, dinner slated during National Space Week

This year's observance of U.S. National Space Week, which is being held to commemorate the eighth anniversary of the Apollo II flight to the moon, will be highlighted by two special events that are open to all interested persons.

The first of these will be a visit on Monday evening to Edwards Air Force Base, where the opportunity will be provided to look over the B-1 bomber.

An effort is being made by local engineering groups that have combined to form the High Desert Engineering Association (hIDEA) to organize car pools for the trip to and from Edwards AFB.

Call for Car Pool Info

Those desiring to join one of the car pools are asked to call Tony Miller, at Systems Consultants, Inc., 446-3501; or the following Naval Weapons Center employees—Gerry Auger, ext. 2037; Jim Serpanos, ext. 3340, or Bruce Bartels, ext. 3421.

Meeting place for the group planning to travel to Edwards Air Force Base is the parking lot adjacent to the B-1 bomber facility at 7:30 p.m. Monday. Those who will be providing their own transportation may travel down either Highway 395 or follow Highway 14 to Mojave and then turn onto State Route 58 headed towards Boron. The point of entry is the north gate of Edwards AFB to reach the site where the B-1 bomber is located. Additional information and a map has been sent to hIDEA members.

Also on the agenda for the local observance of National Space Week will be a dinner next Friday, July 22, at the Commissioned Officers' Mess that has been arranged by the nine engineering societies which make up the High Desert Engineering Association.

Master of Ceremonies

Master of ceremonies for the occasion will be Dr. Marguerite Rogers, acting head of the NWC Laboratory Directorate, and the featured speaker will be Dr. A. H. Lawson, a professor of English at Cal State University in Long Beach.

A social hour will precede dinner at 7 p.m., and the program by Dr. Lawson will conclude the evening. His timely topic for this National Space Week affair will be "UFOs: The Evidence Such as It Is."

Dr. Lawson, who teaches one of the few courses on UFOs (unidentified flying objects) offered for credit in a U.S. college or university, will accompany his talk by the showing of film slides of unusual objects people have seen in the sky.

The speaker, who is an amateur astronomer, admits that he has never seen what he could call a UFO. However, he has done a lot of reading on the subject and, as the operator of a UFO Report Center in Orange County—a 24-hour "hotline" an-

swering service for UFO reports—has heard many reports from people who have sighted strange looking objects in the sky. "Is something really going on? That's really what we are trying to find out," he says.

Today is the final day that advance reservations for the National Space Week dinner can be made for \$7 by contacting hIDEA members. After that, the cost of the meal will be \$8 per person. Tickets can be reserved by calling Jim Serpanos, at NWC ext. 3340; Ray Van Aken, ext. 3374; Bruce Bartels, ext. 3421, or Tony Miller, 446-3501.

The nine engineering societies whose local chapters make up hIDEA are: The American Institute of Aeronautics and Astronautics (AIAA), American Society of Civil Engineers (ASCE), California Society of Professional Engineers (CSPE), Institute of Electrical and Electronic Engineers (IEEE), American Society of Mechanical Engineers (ASME) American Institute of Chemical Engineers (AIChE), American Society for Quality Control (ASQC), Society of Logistics Engineers (SOLE), and the Society of Manufacturing Engineers (SME).



LOCAL PRODUCT — Robert G. Hams, a test range tracker for the Air Operations Branch of Code 62, sets the frame rate and exposure of the CZR-1 Bowen camera system, while Mrs. Margaret A. Chandler, also a Code 62 tracker, looks on during an operation at G Range.

—Photo by Ron Allen



MOVE INTO NEW DISPENSARY BEGINS — Personnel assigned to the local branch hospital of the Naval Regional Medical Center in Long Beach this past week began the work of moving some of the special equipment and furnishings into the new 10-bed dispensary and dental clinic that is slated for occupancy later this month. This camera's-eye view of the activity shows (at top left) a truck backed up to one of the entrances while its cargo is being unloaded. Visible in the photo are HMCS Wayne Hardman (walking toward the truck), HN Danny Harris (standing by the tailgate) and HM3 Randy Duran (with back to camera). In the top right photo, HN Richard Janushan and HN2

Harry McCoy set an instrument cabinet in place in the dispensary's emergency room. In the lower three photos (l.-r.) HM2 McCoy removes the plastic covering from a dental chair; HN Janushan looks over a sterilizer that has been moved into the dispensary's central supply room and is ready for use, and HM3 Richard Schlehuber and HM3 John Hand are placing an operating room table in position. The medical facility was built by the Riha Construction Co. of La Mesa, Calif., at a cost of \$2,881,000. It is located in an area directly north of Schoeffel Field on ground formerly occupied by a group of vacant apartments that were torn down to make way for the new dispensary.

Promotional Opportunities

(Continued from Page 2)

nature and may be classified as either a mechanical engineer, GS-830, or electrical engineer, GS-850, dependent on the qualifications of the selectee. This position is located in the Engineering Division of the Public Works Department. The incumbent provides direction and overall coordination for the NWC Energy Conservation Program; identifies and monitors energy usage, develops improvement projects, and determines the cost effectiveness for the energy conservation improvements. As technical advisor to the department, conducts briefings and design reviews to provide information and develop local standards. Job Relevant Criteria: Knowledge of engineering principles related to utilities systems; knowledge of conservation of energy through effective use of building materials and design; ability to independently administer an engineering program of this type; skill in dealing with high-level military and civilian managers. **Electrician (High Voltage) Helper (2 vacancies), WG-2605-5, JD No. 127, Code 26432** — These positions are located in the Electrical and Plumbing Branch of the Public Works Department. The incumbents assist the journeyman electricians (high voltage) in duties involving power line work, which covers construction, maintenance, and repairs of high voltage electric power transmission and distribution pole lines, underground equipment and street lighting. Job Relevant Criteria: Reliability and dependability; shop aptitude and interest; ability to follow directions in a shop; dexterity and safety; ability to work as a member of a team. Will participate in prejourneyman development training program. Promotion potential to WG-10.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2032.

Clerk-Typist, GS-322-3/4, PD No. 7445096, Code 326-1 — This position is located in the Terrain and Weapons Branch, Conventional Weapons Division of the Propulsion Development Department. The incumbent may work in the various branches of the division. Incumbent will type, from hand-written copy or rough drafts, letters, memoranda, project reports and budget estimates, and will perform a variety of clerical office functions such as mail distribution, file upkeep and receiving office callers. Job Relevant Criteria: Ability to type correspondence / reports accurately; familiarity with Correspondence regulations; ability to perform clerical / typing tasks with minimum guidance.

Mechanical Engineering Technician, GS-802-9, PD No. 7732026, Code 3274 — This position is located in the Solid Propulsion Branch, Propulsion Systems Division, Propulsion Development Department. The incumbent assists with the mechanical engineering design and development of mechanical components, and the test and evaluation of these components. Incumbent will test and evaluate hardware components used in the assembly of rocket motors and develop working drawings sufficient in detail to have NWC shops produce the fixture. Job Relevant Criteria: Knowledge of the fundamentals and practice of design and layout drafting, and of engineering principles gained through actual experience in the mechanical design field; ability to understand and adhere to general operating procedures as applied to approved safety requirements. Promotion potential to GS-10.

Clerk-Typist, GS-322-3/4, PD No. 7445012, Code 3269-1 — Incumbent is responsible for the secretarial and clerical duties for the branch head and other members of the branch; does typing from handwritten or rough draft copy on and off-center letters, test data memoranda, technical budget estimates, technical project reports, proposed technical approach documents, statistical tables and other forms such as status, shipping requests, travel orders, itineraries, visit requests, etc.; maintains files and acts as

a receptionist for the branch head. Job Relevant Criteria: Ability to type accurately and to get along with others; must be capable of working under pressure. Knowledge of the IBM Mag Card typewriter is desired.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2393.

Voucher Examiner, GS-540-3/4/5, PD No. 7408041, Code 6645-1 (2 vacancies) This position is located in the Financial Operations Division, Office of Finance and Management. Incumbent is responsible for the preparation and / or typing of vouchers for settlement of travel claims for military and civilian personnel; reviews and determines eligibility for payment of expenses on travel claims presented for payment; aids claimant in preparation of itineraries. Job Relevant Criteria: Ability to type, to work rapidly and accurately, to research and interpret manuals and guidelines, and to deal tactfully with people.

Resource Analyst, GS-301-12, PD No. 7708030, Code 081-1 — This position is located in the Systems Cost Analysis Branch, Weapons Systems Cost Analysis Division, Office of Finance and Management. Incumbent provides expertise in the estimation of the life cycle resources requirements of complex weapon systems; determines the depth and availability of technical descriptions of / or specifications for the assigned system; develops a consistent data base through a comprehensive analysis of cost and performance data for a wide variety of similar systems; estimates the resource requirements in terms of dollar cost for complex Navy Tactical Missile Weapon Systems being prepared for possible or eventual introduction into the Fleet. Job Relevant Criteria: Experience in life cycle cost analysis, production, procurement, management analysis, operations research, planning, and / or programming functions; knowledge of mathematical and / or statistical techniques in deriving cost estimates.

File applications for the above with Tina Rockdale, Bldg. 34, Rm. 204, Ph. 2025.

Physicist/Mathematician/Aero Engr/Elec Engr/General Engr, GS-1310/1520/861/855/801-11/12, PD No. 7739064, Code 3915 — This position is in the Air-to-Surface Branch, Weapon Synthesis Division, Weapons Department. The incumbent performs weapon system analysis and operations research, and evaluates performance of missile systems, subsystems or components as predicted by analog and digital simulations. Job Relevant Criteria: Working experience in the utilization of digital or analog computers for computation and general analysis; knowledge and understanding of basic simulation techniques as applied to air-to-surface missiles; ability to mathematically model electrical, mechanical and aerodynamic systems. A background in basic linear control systems is desirable.

Secretary (Typing), GS-318-4/5, PD No. 7639151N, Code 3904 — This position is located in the Systems Prototyping Office, Weapons Department. The incumbent provides a variety of duties for the supervisor, such as maintaining and setting up appointments and meetings, receiving and screening visitors and phone callers, receiving, opening and screening all mail, reviewing all outgoing correspondence for proper format and typographical errors and arranging for travel. Incumbent receives handwritten drafts for final form and types a variety of correspondence, reports and memoranda. Job Relevant Criteria: Ability to type efficiently and accurately; thorough working knowledge of grammar, spelling and punctuation; ability to work independently and exercise personal judgement and diplomacy; and familiarity with proper format for all types of Navy correspondence. File applications for the above with Marge Stanton, Bldg. 34, Rm. 204, Ph. 2723.

Electronics Engineer, GS-855-11/12, PD No. 7735052E, Code 3551 — This position is that of an electronics engineer in the EW Projects Office, Countermeasures Division of the Electronic Warfare Department. The physical location is at the Electronic Warfare Threat Environment Simulation (EWTES) facility in the Randsburg Wash Test Area. The incumbent serves as a project engineer for specific flight tests responsible for the design and development of testing techniques and procedures; initiates test plans and detailed specifications and provides cost estimates for the EWTES customer; monitors data reduction activities and performs mathematical analysis of the reduced data, and is required to interface with representatives of various companies and military activities. Job Relevant Criteria: The incumbent must have general radar experience with specialized experience in the electronic warfare or related fields. A working knowledge of radar system design and computerized instrumentation is desired.

Guard, GS-083-3/4, PD No. 7384024/7584016N, Code 2413 — This position is located in the Police Division of the Safety and Security Department. Incumbent performs duties at a fixed post and a patrol (foot or vehicle), and must have veteran's preference. Duties include controlling entry and exit of personnel (i.e. protection of building areas, personnel; enforcement of regulations). The incumbent will work one of three watches — day, night or morning. Job Relevant Criteria: For GS-3, ability to express his / herself clearly in writing and to deal tactfully with people; must be in good physical condition. For GS-4, includes above criteria plus knowledge of laws and regulations and of procedures related to federal guard duties.

Police Officer, GS-083-2/3/4/5, PD Nos. 7184004N/884015N/884016N/7184019N, Code 2413 — This position is that of police officer and is located in the Police and Security Operations Division of the Safety and Security Department. The incumbent will train in all aspects of law enforcement. This training will be both of formal and informal nature. Incumbent will patrol assigned area with a senior police officer, conduct preliminary investigations and prepare reports. Job Relevant Criteria: Knowledge of law enforcement methods and principles; ability to work in stress situations, to communicate effectively both orally and in writing, to exercise good judgment and to deal tactfully with others. Summary of qualification requirements: GS-2, written test to demonstrate ability to understand the written word and to follow oral directions; GS-3, 1 year law enforcement experience; GS-4, 2 years law enforcement experience; GS-5, 3 years law enforcement experience.

Police Dispatcher, GS-301-2/3/4, PD No. 7584007N, Code 2413 — This position is located in the Police and Security Operations Division of Safety and Security Department. Incumbent performs dispatching duties for the China Lake Police Division and maintains radio communications with NWC Guard Posts, Fire Division, Naval Investigative Service and off-center police agencies. This position is at the Electronic Warfare Threat Environment Simulation (EWTES) facility in the Randsburg Wash Test Area. Duties include the preparation of administrative correspondence and technical progress reports, plus other miscellaneous typing of forms, etc. Incumbent is also responsible for travel orders, itineraries, time cards, distribution of mail, reception duties, etc. Job Relevant Criteria: The incumbent must be able to work independently, type accurately and rapidly, and have some working knowledge of technical terminology.

Clerk-Typist, GS-322-3/4, PD No. 7735053E, Code 3554 — This position, that of a clerk-typist, is to provide secretarial and clerical functions for the Data Management Branch, Code 3554, Countermeasures Division, Electronic Warfare Department. The physical location of this position is at the Electronic Warfare Threat Environment Simulation (EWTES) facility in the Randsburg Wash Test Area. Duties include the preparation of administrative correspondence and technical progress reports, plus other miscellaneous typing of forms, etc. Incumbent is also responsible for travel orders, itineraries, time cards, distribution of mail, reception duties, etc. Job Relevant Criteria: The incumbent must be able to work independently, type accurately and rapidly, and have some working knowledge of technical terminology. File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118.

Head of Energy Conservation Office to leave China Lake

Rick Davis, head of the Public Works Department's Energy Conservation Office, will be leaving the Naval Weapons Center today for a job with the Energy Research and Development Administration's office in Oakland, Ca.

Davis, who has been employed at China Lake for 10 years, was appointed two years ago to handle the duties of the Center's first full-time energy conservation engineer. In his assignment with ERDA, he will be a solar program coordinator and will be working primarily on solar heating and cooling.

A 1967 graduate of Cal Poly at San Luis Obispo, Davis joined the work force at China Lake shortly after receiving a bachelor of science degree in air con-



Rick Davis

ditioning refrigeration. For five years he was assigned to the Mechanical Branch of the Public Works Department's Engineering Division.

In 1972, he transferred to the Applied Technology Branch of the Propulsion Development Department's Propulsion Systems Division, and was involved in a multitude of jobs related to laser weaponry.

His return to the Public Works Department to assume the duties that later led to his selection as head of the Energy Conservation Office in Code 26 was preceded by 18 months of working directly with Dr. G. W. Leonard (former head of the Propulsion Development Department) as program engineer for NWC's involvement in the field of solar heating and cooling.

Meeting called of U.S. Saving Bond campaign workers

In preparation for the annual U.S. Savings Bond campaign on board the Naval Weapons Center, a meeting of department coordinators and assistants will be held on Wednesday, July 20, starting at 10:30 a.m. at the Community Center.

Featured speaker at this time will be Gary Crawford, area representative for the U.S. Savings Bond Division of the Department of the Treasury, who is coming here from Los Angeles.

The Savings Bond campaign at NWC, which will begin on July 21 and continue through Aug. 4, will be conducted to provide civilian employees and military personnel with an opportunity to join a payroll savings plan or to increase their present Savings Bond allotment.

Division, Electronic Warfare Department. The physical location of this position is at the Electronic Warfare Threat Environment Simulation (EWTES) facility in the Randsburg Wash Test Area. Duties include the preparation of administrative correspondence and technical progress reports, plus other miscellaneous typing of forms, etc. Incumbent is also responsible for travel orders, itineraries, time cards, distribution of mail, reception duties, etc. Job Relevant Criteria: The incumbent must be able to work independently, type accurately and rapidly, and have some working knowledge of technical terminology. File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118.



FINANCIAL MANAGEMENT DISCUSSED — Capt. Myron Ricketts, a member of the staff of Admiral Frederick H. Michaelis, Chief of Naval Material, was here Monday to have a look at the Naval Weapons Center's financial management structure. He is shown during a discussion with Dr. R. E. Kistler, head of the NWC Office of Finance and Management. While at China Lake, Capt. Ricketts, who is the prospective Commanding Officer of the Naval Ship Research and Development Center at Carderock, Md., was given a general briefing about NWC by Cdr. L. E. Kaufman, assistant technical officer (air), and was brought up to date on the Sparrow program by D. J. Simmons, head of the Engineering Department's Product Design Division.

—Photo by Ron Allen

Annual ice cream social to be held next Tues. on All Faith Chapel lawn

One of the annual summertime family-fun events at China Lake—the ice cream social sponsored by the Protestant Women of the Chapel—will be held on Tuesday, from 6 to 8:30 p.m., on the lawn area at the All Faith Chapel.

Not only will there be ample servings of ice cream along with the patron's choice of either homemade cake or pie, but coffee or punch also will be included for donations of 75 cents each from adults and 35 cents by children 11 years of age and under.

Tickets to the ice cream social can be obtained in advance on weekdays at the All Faith Chapel office, on Sundays following the regular Protestant Congregation service, and also will be sold on Tuesday evening.

A large enough number of tables to accommodate the anticipated throng of 1,000 to 1,500 persons who regularly attend this event will be set up in a shaded area. In addition to the tasty dessert items that will be served, there will be musical entertainment by a local Dixieland band, and

members of the Junior and Senior High youth groups will have a sponge throw and dunking tank in operation to help raise additional funds.

A new attraction this year will be the "Pickpocket Lady." Circulating among the crowd, she will be wearing an apron with large pockets filled with surprise gifts for youngsters 2 through 8 years of age.

By purchasing a 25-cent ticket, youngsters will be entitled to reach into the apron pocket and pluck out a prize.

Mrs. Pat Silberberg is serving as chairman of this year's ice cream social. Committee members assisting her are Betty Jane Leonard, Cal and Ginny Fallgatter, Cheryl Haun, Jackie Renne, Marti Corzine and Eleanor Hartwig.

Money raised by the ice cream social will be donated to the following Protestant Congregation mission projects: Teen Challenge, Rescue Mission and Friendship House, all in Bakersfield; to the Wycliffe Bible translators; to the Ludhiana Christian Medical College in India; to Project Concern in Mexico, and for the aid of Mrs. Viola Reissnyder, a retired missionary worker.

Problems of older members of work force to be aired

Problems encountered by older employees who wish to re-enter the workforce or make career changes will be the subject of the next Brown Bag Seminar.

This meeting, which is scheduled on Wednesday, July 20, in the Cactus Rm. of the Community Center, will begin at 11:30 a.m. and is open to all interested Naval Weapons Center employees and their guests. Those who attend are reminded to bring a sack lunch.

The topic "Re-entering the Workforce and Achieving Success After Forty" will be discussed by Margot Marlinski, who is a fashion buyer for the Harris Co. in San Bernardino.

The speaker spent most of her adult life as a mother and homemaker until a family crisis necessitated her entering the job market at the age of 42. She has some amusing, but poignant, anecdotes to relate about her experiences as a job applicant. In addition, she will describe her rise from a junior sales clerk to a fashion buyer in the highly competitive world of retail clothing sales.

Time will be allotted for questions from the audience following the talk by Mrs. Marlinski.

Speaker at ASPA luncheon to be Federal Laboratory Program mgr.

Nicholas Montanarelli, who is currently detailed to the National Science Foundation and serves as manager of the Federal Laboratory Program, will be the featured speaker at a luncheon sponsored by the China Lake chapter of the American Association for Public Administration (ASPA).

The luncheon, which is open to all interested persons, will be held next Thursday, July 21, starting at 11:30 a.m. at the Commissioned Officers' Mess. Montanarelli will discuss the executive and legislative outlook regarding the use of federal laboratories for activities beyond the immediate mission of the supporting agency.

While here, he will meet with George Linsteadt, chairman of the Federal Laboratory Consortium for Technology Transfer, who is head of the Technology Utilization Office in the Naval Weapons Center's Propulsion Development Department.

As manager of the Federal Laboratory Program, Montanarelli oversees the coordination of the Federal Laboratory Consortium for Technology Transfer — a group that presently consists of more than 150 U.S. government laboratories and centers — and is involved in many policy development aspects of the utilization of

Federal laboratories and centers.

Although he has been detailed to his current assignment, Montanarelli is an employee of the Edgewood Arsenal, which is part of the U.S. Army's Aberdeen Proving Ground in Maryland. As an employee at the arsenal, he was instrumental in the development of lightweight body armor that currently is in use by law enforcement agencies throughout the United States.

He also is recognized for his prominent role in the development and use of static and hand-held weapon detectors — one of the methods used as a precaution to prevent the hijacking of commercial airliners.



Nicholas Montanarelli

Another contract for removal, trimming of trees awarded

Another tree removal and trimming contract has been awarded, and the work will begin in the near future, it was announced this week by J. Bart Parker, head of the Housing Division's Occupant Support Branch.

Public Works Department employees are finishing up with the task of marking those trees that are scheduled to be removed. Such a step is taken when trees are found to be growing into power lines, or whose root structure is endangering buildings, streets, walks or underground utilities.

In addition, trees that are dead, diseased, or are crowding other trees in such a manner as to inhibit their proper growth also will be removed.

All trees to be removed are marked with a 3-in. square red metal tag, while trees to be trimmed are marked with a similar green tag.

China Lake residents who have questions about this matter should contact Andrea Gotzler at the Housing Office by calling NWC ext. 2093 or 2528.



POPULAR EVENT — Tickets went on sale recently for the annual NWC summer party, to be held July 29 on the lanai of the Commissioned Officers' Mess, and this group of folks in the main lobby of Michelson Laboratory wished to avoid any possibility of a last-minute rush to buy their ducats. Manning the ticket table in the above photo are (l.-r.) Jay Hodge, Heinz Roeser and Judy Leckey. Tickets for this fun-filled event, which is open to both military and civilian personnel at China Lake, are available not only at Michelson Laboratory lobby, but also can be obtained at all department and most division offices. The festivities will start at 6:30 p.m., and will include a disco dance, magic show, funny films and a selection of dinner menus, all under the sponsorship of the NWC Junior Professional Development Committee.

—Photo by Ron Allen

Local Congressman's field representative to visit Navy Wives

Due to a misunderstanding between the Bakersfield office of Congressman William Ketchum and officers of the Navy Wives Club, it will be Bill Deavers, the Congressman's field representative, (not the Congressman himself), who will pay a visit to China Lake on the evening of Thursday, July 28, for the purpose of answering questions about military benefits and possible changes in them.

This meeting of Desert Flowers Chapter No. 125 will be held at the Navy Wives Club hut, 415-A McIntire St., starting at 7:30 p.m. All interested persons are invited to attend.

Next event on the Navy Wives Club calendar will be a barbecue that is to be held at 7 p.m. on Friday, July 22, at the home of AE2 and Mrs. Linda Fleeger, 38-A Ashworth Pl., China Lake.

Highlight of the evening will be the installation of Chaplain and Mrs. T. C. Herrmann to serve as Navy Wives Club advisors, replacing Capt. and Mrs. Conrad B. Olson, who were transferred to New Orleans where he is serving on the staff of the Chief of Naval Reserve as Director of Air Reserve Programs and Readiness.

Grass seed, fertilizer, paint available to Navy housing tenants

For the convenience of the residents of Naval Weapons Center housing, the hours for the issuing of grass seed, fertilizer, fence paint and window screens has been changed to 11:30 a.m. to 3:30 p.m. on Fridays.

The self-help issue room for such materials is located in the lower lounge at 77 Bard St. While redwood fence paint is temporarily out of stock, white, green and red fence paint is available.

In order to obtain fence paint, an order must be placed with the Housing Office by calling NWC ext. 2093 or 2528 from Monday through Thursday. The paint may then be picked up on Friday afternoon at 77 Bard St.

In addition, screens for the old duplex houses are now available at the self-help issue room. It is necessary for tenants to measure screens before submitting a request, and only one screen is authorized per room.