

Domestic Art, Handcraft Entries in Fair Due Soon

With fairtime fast approaching, entries are due next Thursday, Sept. 13, in a number of fine arts and handcrafts divisions, as well as in the domestic arts division of the 1973 Desert Empire Fair.

Joshua Community Hall, the permanent exhibit building at the fairgrounds, will be open from 5 to 9 p.m. next Thursday, and officials will be on hand to accept entries in art, ceramics, models, handcrafts, knitting, crocheting, sewing, linens, rugs, quilts and afghans and decorative needlework. In addition, persons wishing to enter samples of their home-grown fruits and vegetables for judging during the fair also must bring them in next Thursday evening.

Entries in canning, preserves, honey, cakes, bread, cookies and candies will be accepted on Saturday, Sept. 15, from 9 a.m. to 1 p.m. only, and freshly-baked pies will be accepted immediately prior to their judging, which is to take place at 7:30 p.m. on Saturday, Sept. 22.

Only Amateurs Eligible

Only amateur work is eligible for consideration in competition for the ribbons and trophies that will be awarded during the 1973 Desert Empire Fair. An "amateur" is considered to be one who engages in craftwork, cooking or art primarily as a hobby or for love of the work, and whose total financial return (if any) does not exceed \$500 to date, plus the cost of materials used. Cash awards or prizes may be the only remuneration an amateur may receive.

While professionals are invited to exhibit their work during the fair, it is not eligible for the prizes that are to be awarded.

Limit on Entries

Participants in the competitive exhibits at the fair are limited to a total of two entries in each section upon payment of the prescribed entry fees. The latter have been set at 50 cents per entry by youngsters

up through the age of 15, and 75 cents per entry for all those 16 years of age and over.

Only exhibits that have not been entered in any previous Desert Empire Fair will be accepted for entry this year.

First, second and third place ribbons will be awarded in each section for adult, between (ages 11 to 15) and children's (16 years and under) entries, and there also will be rosettes for first, second and third place at the division level.

Trophies To Be Awarded

In addition, six grand award trophies will be presented — one each for the best adult entry in arts and handcrafts, and in domestic arts. A grand award trophy also will go to the best entry by a between as well as by a child in the arts and handcrafts and domestic arts divisions.

Topping off the list of awards are three sweepstakes trophies that will be presented to the most outstanding adult, between and child's exhibit in this year's fair.

The Fine Arts and Handcrafts competition has been divided into separate divisions for art, ceramics, models and handcrafts, and each division is further divided into a number of sections. The art division, for example, is divided into separate sections for oil and water color paintings, while the ceramics division includes separate sections for glazed work, porcelain and china.

Handcrafts Division

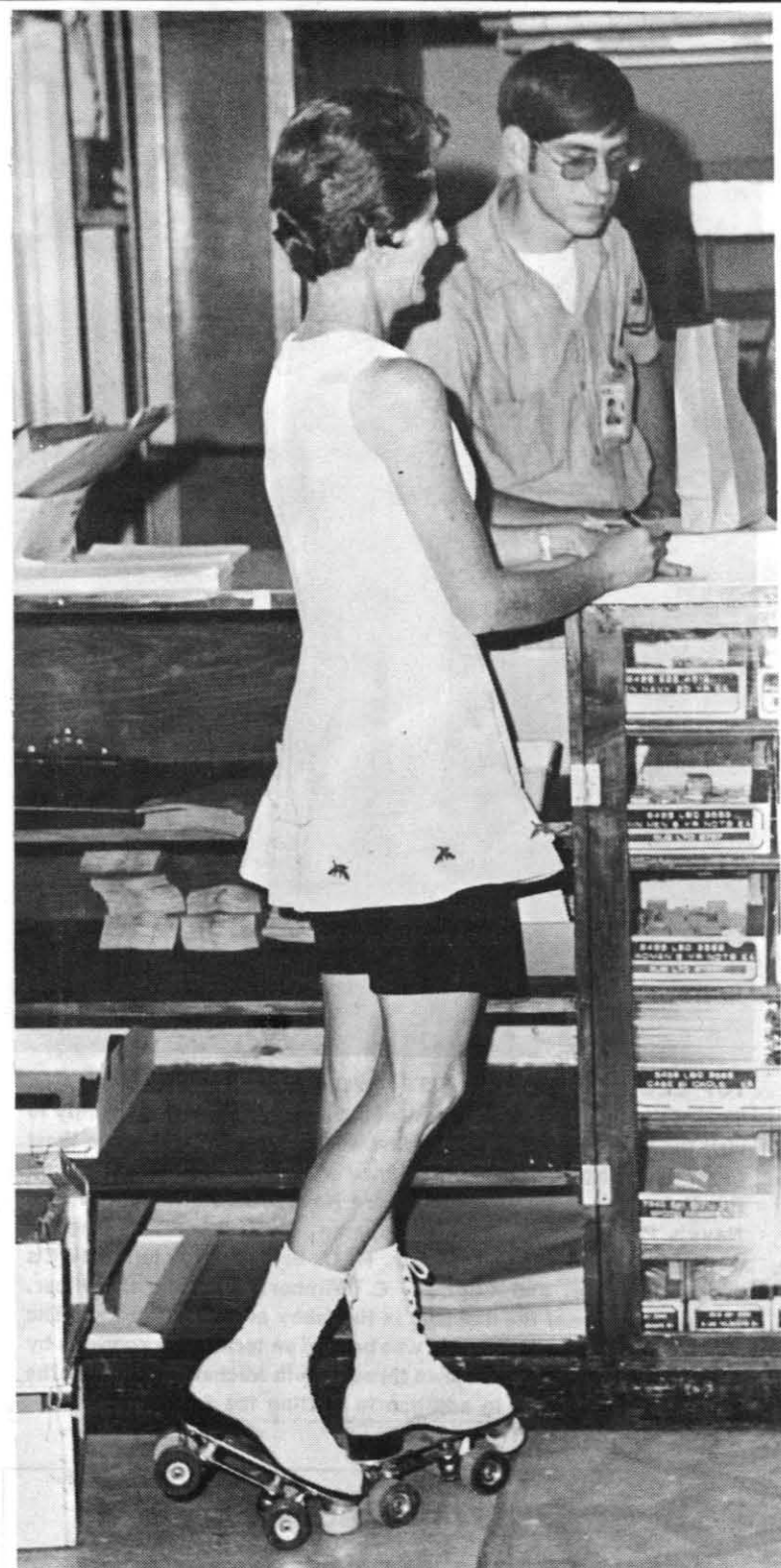
Listed under the handcrafts division are sections for such varied types of craftwork as artificial flowers, leatherwork, metalwork and woodcraft.

Under Domestic Arts, separate divisions are listed for entries in knitting, crocheting and sewing, as well as for those who make or decorate table linens and appliance covers, or who make rugs, quilts or afghans.

Other Domestic Arts in which entries will be judged are decorative needlework, the canning and preserving of food, and the making of honeys, cakes, breads, cookies, pies and candies.



RECENT ARRIVAL — Ltjg. Delbert Oakes, Jr., reported to VX-5 recently to assume the duties of Avionics Weapons Officer. Ltjg. Oakes, an 18-year veteran, came to China Lake from the USS Coral Sea. Prior to his duty aboard the Coral Sea, he was the Advanced Underwater Weapons shop's officer at NAS Jacksonville, Fla. Ltjg. Oakes and his wife, Reita, have five children. The new VX-5 officer enjoys fishing, golf and bowling.



WHEELER-DEALER — Martha J. Chism, an employee in the Supply Department's Warehouse 10, has found that wearing roller skates on the job has helped speed up the handling of her work.

Roller Skates Useful To Supply Dept. Employee

The Naval Weapons Center may not have a roller skating rink, but Warehouse 10 does have a roller skating warehouseman who will be ready when and if one is ever built here.

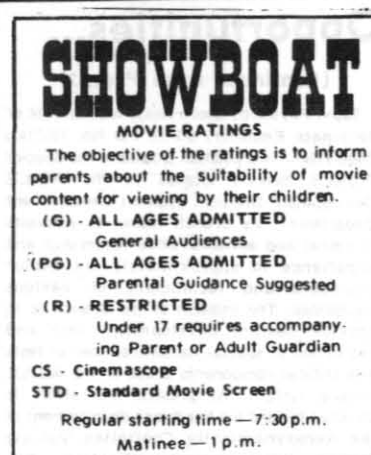
Martha J. Chism, warehouseman in tools, paints and batteries, found that using roller skates cuts down the wear and tear on her legs, since she covers a large territory in the warehouse.

Frank Carson, her supervisor, noted that Mrs. Chism had always been so quiet, never a complaint; then on Wednesday, Aug. 15, there she was, skating up and down the aisle like it was made for just that.

By using roller skates, her work speed has increased, it was noted by Carson who stated that Mrs. Chism may keep her skates on while at work.

Mrs. Chism became interested in roller skating at the age of 10. She, along with her twin brother, worked up some dance routines and performed for tips in an old airplane hangar that had been converted to a roller rink at Randolph Air Force Base, San Antonio, Tex. "In those days," Mrs. Chism said, "they didn't have the shoe skates like today, we had to fasten street skates on our shoes."

In 1963, Mrs. Chism and her



FRI. 7 SEPT.

"YOUNG WINSTON" (125 Min.)

Robert Shaw, Anne Bancroft (Historical Drama) This film portrays the life of Winston Churchill as a young second lieutenant serving as war correspondent in India. Later, during the Boer War, Churchill takes command of a small detachment of soldiers. Captured, he managed to make a daring escape. In the House of Commons, he defends his father's policies and advocated neutrality. (PG)

SAT. 8 SEPT.

—MATINEE—

"SILENT RUNNING" (90 Min.)

Bruce Dern, Cliff Potts (G)

—EVENING—

"ACE LI AND RODGER OF THE SKIES" (93 Min.)

Cliff Robertson, Eric Shea (Comedy-Drama) In 1925, former World War I pilot, Cliff Robertson, uses his plane for barnstorming, selling rides to Midwestern citizens to whom flying is something new. Joy riding, he accidentally causes his wife's death. Later he becomes involved with evangelist Alice Ghostley and prostitute Bernadette Peters. (PG)

SUN. & MON. 9-10 SEPT.

"LADY SINGS THE BLUES" (144 Min.)

Diana Ross, Billy Dee Williams (Musical Drama) Beginning with her arrest in New York in 1936 for possessing drugs, the story of blues singer Billie Holiday (Diana Ross) unfolds in flashbacks, and then continues through her last years. Diana has a successful Carnegie Hall show, but her drug arrest hurts her career. She dies young. (R)

TUES. & WED. 11-12 SEPT.

"THE GOSPEL ROAD" (102 Min.)

Johnny Cash, Robert Elstrom (Religious Drama) Singer composer Johnny Cash is seen in the Holy Land as he relates the story of Jesus Christ. While Cash narrates, Christ's life is portrayed. (G)

THURS. & FRI. 13-14 SEPT.

"ROBINSON CRUSOE AND THE TIGER" (110 Min.)

Hugo Stiglitz, Ahui (Adventure) In the year 1659, Robinson Crusoe was shipwrecked and washed up on the beach of a tropical island. This story shows what man can do for himself when he has to survive. (G)

Membership Coffee

Set Tues. by WACOM

The Women's Auxiliary of the Commissioned Officers' Mess (WACOM) will hold its annual membership drive coffee on Tuesday at 9:30 a.m. at the club.

New officers for the coming year will be introduced and awards presented to members for contributions made during the past season.

A Mexican theme, "Fiesta Cafe," will be predominant in the food served and decorations.

From	PLACE STAMP HERE
TO	

nwc rocketeer

Pay Increase for Military, Civilian Personnel Delayed

A bit of the uncertainty regarding a pending pay increase for Federal employees was laid to rest this past week as a result of action taken by President Richard Nixon.

The President last Friday asked Congress for a two-month delay in granting a recommended pay increase to 3½ million civilian and military personnel of the Federal government.

Amount Recommended

In a message to Congress, the President said that a 4.77 per cent pay increase had been recommended by the Office of Management and Budget and the chairman of the Civil Service Commission to go into effect Oct. 1.

The President asked that the pay adjustment, which it was estimated would have cost \$2 billion, be deferred until Dec. 1 and that the amount of the increase be reviewed meanwhile for a later decision.

Under the Federal Pay Comparability Act of 1970, the President determines the amount

of pay increases to keep Federal salaries comparable with the private sector after receiving recommendations from his special advisers.

Had the President not acted by midnight last Friday, the average 4.77 per cent pay increase would have gone into effect automatically on Oct. 1. Now the Dec. 1 date will go into effect automatically, unless Congress acts within 30 days to counteract President Nixon's request.

Reason for Delay

In his message to Congress, the President said that "at a time when the rising cost of living is a major concern to all of us, the Federal government and its employees have a special obligation to avoid any action that would needlessly fan the flames of inflation."

A three-member Advisory Committee on Pay will now review the proposed pay boost and make recommendations to the President by late September.

ET1 Jackman Selected As 'Bluejacket' for September

Electronics Technician First Class Francis J. Jackman has been selected as the "Bluejacket of the Month" for September.

ET1 Jackman, leading petty officer in charge of all electronic field maintenance at the Naval Air Facility's Ground Electronics Shop, came to China Lake in September 1971, from Guantanamo Bay, Cuba.

He enlisted in the U.S. Navy 12½ years ago after spending a year at the Merchant Marine Academy, Buzzard's Bay, Mass. The September Bluejacket is a native of Belmont, Mass., where he was graduated from Belmont High School.

Trip to Bakersfield

As a result of his selection, Jackman and his wife will be guests of the Greater Bakersfield Chamber of Commerce for a weekend later this month.

Prior to departing the local area, Jackman will be loaned a new Ford automobile by Desert Motors, of Ridgecrest, to use on the weekend trip.

Jackman describes himself as a "perennial student." Since coming into the Navy he has attended ET "A" School, at Great Lakes, Ill., the TACAN (Tactical Air Navigation Guide) School, Treasure Island, Calif., Crypto School, Mare Island, Calif., and career counseling school twice — once at Quonset Point, R.I., and once at Long Beach, Calif.

Other Training

In addition, Jackman has graduated from the 3M Systems School, San Diego, and is presently completing a course in color TV technology and stays abreast of a course for his first class radio-

telephone operator's license. In the past he has completed two electronics courses from the USAFI home study college.

He and his wife, Margaret, have four children. They are Maxine, 7, Scott, 6, Lynn, 4, and Kimberly, 2 months old.

The Jackmans enjoy doing



ET1 Francis J. Jackman

things together, such as camping and travelling. "We haven't been able to do much of that lately, though," Jackman said. "I've been working part-time in Ridgecrest, which cuts down on my free time," he explained.

When he does find some time available, he likes to work on cars and repair electronic equipment. Margaret, who finds raising four children a pretty fulfilling task, is

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Naval Weapons Center
China Lake
California

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Edwin V. Alden, Louis L. Covert, Bruce M. Hardy, R. R. Klabunde, R. G. Stoutmeyer, John Onstott, I. S. Kurotori, John B. Patton, Craig S. Porter, J. W. Spindler, George Banura, Milton Ritchie

Study Fellowships Granted To 22 Employees at NWC

Twenty-two employees of the Naval Weapons Center will attend school this fall under Fellowship programs that were first begun in the early 1950s.

Seventeen of these men have been awarded NWC Fellowships for advanced study, and two others will be completing the on-campus portion of the University of Southern California's graduate program in engineering (begun locally).

In addition, a 6-month extension has been granted to another employee who previously received an NWC Fellowship, and two NWC Fellowships have been awarded for undergraduate study.

Fellowship Recipients

Recipients of the NWC Fellowships are Edwin V. Alden, Louis L. Covert, Bruce M. Hardy, Richard R. Klabunde, Gary L. Petersen, Ronald G. Stoutmeyer, William C. Sweett, Henry M. Adaniya, John W. Onstott, I. S. (Mort) Kurotori, John B. Patton, Craig S. Porter, Jeffrey W. Spindler, George A. Banura, Milton A. Ritchie, Donald Herigstad and Jerry R. Ennis.

Those headed for USC to complete the on-campus portion of their graduate study program in engineering are Randy R. Coates and Bert P. VanDenBerg, while Edward E. Hindman II was granted a 6-month extension of his NWC graduate study Fellowship and Fellowships for undergraduate study have been awarded to Richard R. Wolff and Winfred E. Johnson.

Selected by Committee
Selection of those receiving the Fellowships was made by the Education Committee for Ordinance Sciences (ECOS)—a group

composed of representatives of various academic specialties and functional areas on Center. Its members are:

Dr. Marguerite Rogers, chairman; Herbert A. Bulgerin, Dr. Allen Gates, William Hattabaugh, William Meggers, Richard Murphy, Dr. Arnold Nielsen, Dr. Robert Rowntree and Dr. William Thielbahr.

Three others serve as advisory members of ECOS. They are Dr. John Eisel, Dr. Stephen Lee and Bruce MacIntosh.

NWC FELLOWSHIPS

Edwin V. Alden—Advanced training at the graduate level in Public Administration is the goal of Alden, who is employed in the Special Projects Group of Central

Staff. Alden, an NWC employee since June 1961, has a bachelor's degree in physics, as well as a master's degree in Public Administration that he received at USC in 1970.

Louis L. Covert—A 1971 graduate of the University of Idaho, where he received a bachelor's degree in electrical engineering, Covert will use his Fellowship to attend the University of Arizona. An employee in the Infrared Guidance Branch of the Systems Development Department, Covert will be receiving graduate level training in electrical engineering—specializing in network theory and communication theory.

Bruce M. Hardy—Graduate level

(Continued on Page 3)

Kern County Officials To Visit Local Area Sept. 12

More than two dozen officials representing various phases of Kern County government and civic affairs will visit the Naval Weapons Center next Wednesday, Sept. 12, as part of a day-long program of briefings and inspection of the Ridgecrest-China Lake area.

The occasion is a regular meeting of the 15 directors of the Kern County Board of Trade, who will be here to learn about new and proposed developments in this part of the county.

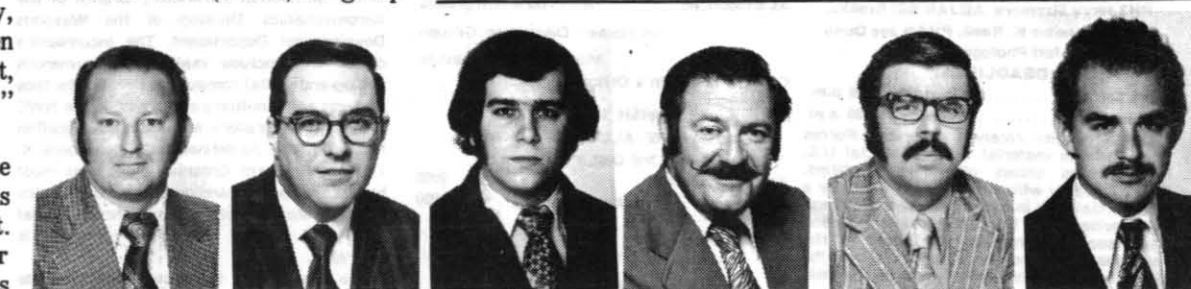
Joint hosts for this special program, which has been scheduled as a means of bringing the county's officialdom up to date on the latest developments and potential for growth in the Ridgecrest-China Lake area, will

be the City of Ridgecrest, the Ridgecrest Chamber of Commerce, the Desert Empire Fair board of directors, and the Naval Weapons Center.

The Board of Trade delegation will be led by John Logan, president of the Kern County business and civic group whose members will travel here from Bakersfield on a chartered bus. Others also scheduled to participate in the day-long program are Gene Young, chairman of the Kern County Board of Supervisors; LeRoy Jackson, 1st District representative on the Board of Supervisors, and members of the Kern County Parks and Recreation Commission.

First stop for the visiting of-

(Continued on Page 2)



Donald Herigstad, Jerry R. Ennis, Richard Wolff, W. E. Johnson, Randy Coates, B. P. VanDenBerg



MIXED EMOTIONS — The re-opening of school last Thursday morning brought happy smiles to the faces of the mothers of these youngsters, while the children themselves appeared to be a bit uncertain about just what lies in store for them as they approached the school grounds. Attendance at schools of the China Lake Elementary School District totalled 1,961 this week, including 193 children who are being introduced to classroom routine as kindergartners.

NWC's Alcoholism Coordinator Suggests Watching TV's 'Maude'

Eva Bien, coordinator of the Center's alcoholism program, has suggested that persons interested in becoming more aware of the problem tune into the CBS Television show, "Maude," which is to be aired on Tuesday at 8 p.m.

The central theme of the show will be based upon alcoholism, its causes and effects.

NWC employees or dependents who are interested in understanding more about this public health problem should contact one of the following people:

Dave Hull, 3445 or 446-3829; Bob Lauer, 446-2511 or 446-7097; Gene Henderson, 6360 or 446-6246; Jane Dennis, 375-2882 or 375-9314; Elmer Cox, 2000 or 446-4164, or Bob Gritton, 3445 or 446-6467.

In addition, Eva Bien may be contacted at 2577 for further information on the Center's program to understand alcoholism.

The volunteer counselors listed above have had extensive experience with alcoholism and are willing to provide whatever help they can to those who need it.

In addition, they are available to speak to any kind of group, including supervisors, employees, organizations, clubs, or any informal get-together.

The Center's effort to overcome the problem of alcoholism is closely tied in with the efforts of the Kern County Mental Health Department and the U.S. Navy Department.

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2049. Current applications (SF-171) or Standard Form 1973 should be submitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Electronics, Mechanical or General Engineer, GS-456, 830, or 801-9, 11, or 12, Code 55301, PD No. 7355097. This position is located in the Sparrow Program Office, Product Design Division of the Engineering Department. Incumbent assists in direction of project teams responsible for resolution of production problems associated with the improvement of the AIM-7F. Test program includes flight tests, environmental tests and individual assembly assessments. Incumbent will perform production engineering duties, evaluate proposed changes, plan work assignments, analyze all side effect variation of system parameters, provide proper coordination. Job Relevant Criteria: Knowledge of production and economic problems. Experience in dealing with contractors and NAVAIR. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

General Engineer, GS-401-12, 13 or 14, PD No. 7355096, Code 555. This position is that of associate division head for the Technical Data Division of the Engineering Department. Incumbent acts with division head in the total planning function participating directly in budget and manpower planning. Maintains frequent liaison with the Engineering Department sponsors to coordinate timely and adequate support in data management, contract coordination, preparation of drawings, specifications, etc. Job Relevant Criteria: Experience in the mechanical and electronic fields of engineering. Experience in data management, data control, contract coordination and knowledge of technical data procedures of NAVAIR, NAVORD. Supervisory experience. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

Welding Engineer, GS-494-12, PD No. 7355094, Code 5514. This position is located in the Materials Processing and Evaluation Branch, Quality Engineering Division of the Engineering Department. Responsibilities include quality control/inspection of materials in the branch, design review, test requirements and trouble shooting of weldments fabricated by Code 554, acquisition of fabrication data on materials, research activities in welding, i.e., electron beam, friction, laser beam. The incumbent provides consulting services to project engineers in all departments regarding design and development hardware. Subjects include weld design, material and process selection for welding and brazing, relationship between welding processes and other fabrication problems such as heat treatment and test requirements. Job Relevant Criteria: Degree in metallurgy or welding engineering, plus four to six years of progressive experience in welding or brazing research, development and test. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

Physical Science Technician, GS-1311-9, PD No. 7355095, Code 5514. This position is located in the Materials Processing and Evaluation Branch, Quality Engineering Division of the Engineering Department. Incumbent performs non-destructive tests of materials or components to determine suitability for use, compliance to specifications or reason for failure. Evaluates and modifies new procedures and equipment. Incumbent recommends most suitable NDT specifications to use on design documentation and acceptance criteria to apply. Job Relevant Criteria: Extensive knowledge and experience in NDT. Experience with non-metallic and metallic materials and such equipment as X-ray, Ultrasonics, Magnetics, eddy current, infrared and thermography, dye penetrant, coating and thickness measurement by magnagage and Betascop. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

File applications for above with Linda Grossman, Bldg. 34, Rm. 204, Ph. 2925. Electronics Technician, GS-456-7, 8, or 9, PD No. 7340140, Code 6644. This position is located in the Simulation Laboratory Branch of the Aeromechanics Division of the Weapons Development Department. The incumbent's duties will include maintaining numerous analog and digital computers, hybrid interface systems and auxiliary equipment in the NWC simulation laboratory. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Incumbent must have a good understanding of basic electronics and solid state circuitry. Experience in digital logic and analog computer circuitry is desirable.

File applications for above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118.



SAFETY SHOE PROVES VALUE — Dennis Wegener (at right), a heavy laborer in the Supply Department's Metal and Lumber Yard, now has firsthand knowledge of the value of wearing safety shoes on the job. While at work recently, Wegener's foot was struck by a heavy piece of metal that had fallen from a fork lift truck. The metal cut a large gash in his safety shoe, but the reinforced safety shoe prevented a serious foot injury. As a reminder of the wisdom of wearing safety shoes, Wegener was the recipient of a Golden Shoe award that was presented to him by Capt. T. R. Hendershot, NWC's Director of Supply.

'Museum Mondays' Begin Regular Schedule Sept. 10

"Museum Mondays," a series of gourmet luncheons featuring tempting culinary treats, will begin at 11:30 a.m. Monday on a regular basis and continue each week (excluding holidays) into December at the Community Center.

Undertaken as a means of raising money for the Maturango Museum building fund, these special luncheons are modestly priced at \$2.50 per person. Reservations to attend can be made by calling NWC ext. 2368 on Tuesday, Wednesday or Friday of each week between the hours of 9 a.m. and noon.

Food preparation is under the expert direction of Mrs. Sue Byrd, well-known local caterer, while

Bd. of Trade...

(Continued from Page 1) officials will be at Joshua Hall, the Desert Empire Fair's permanent exhibit building in Ridgecrest, and from there the visitors will be accompanied by Dr. Richard Jones, president of Cerro Coso Community College, on a tour of the new college campus.

A catered luncheon back at Joshua Hall will follow at 12:15 p.m., and groundbreaking ceremonies marking the start of construction on a new civic center in Ridgecrest will take place at 1:30 p.m.

The remainder of the afternoon will be devoted to a 2-hour visit on board the Naval Weapons Center. After being welcomed in the Management Center of Michelson Laboratory, the visitors will view the film, "Evening Colors," and listen to a presentation on technology transfer by George F. Linstead, head of the Propulsion Development Department's Technology Utilization Office.

Before leaving NWC, the visitors also will have the opportunity to look over the Microelectronics Laboratory.

According to Logan, it is the policy of the directors of the Kern County Board of Trade to hold meetings periodically in various areas of the county to discuss matters of mutual interest and strengthen intra-county ties.

members of the Friends of the Museum and other interested volunteers are assisting as cooks, bakers, waitresses and hostesses for these weekly affairs.

There will be two servings each Monday — one starting at 11:30 a.m. and the other at 12:45 p.m.

The menu for this Monday's luncheon will feature chicken divan served with molded bing cherry salad, crescent rolls and a dessert of lemon-glazed cheese cake.

Two "Museum Monday" trial runs on July 16 and Aug. 6 met with immediate popularity and all reservations were quickly snapped up in advance.

At this time, no further reservations are being taken for the Sept. 10 luncheon, except on a standby basis. Reservations are open, however, for the Sept. 17 event.

DCC Sets Open House Tonight At New Quarters

An open house will be held this evening from 7:30 to 10 o'clock at the Desert Counseling Center's new quarters, located at the corner of Blandy Ave. and Hussey Rd. Since moving into the building formerly occupied by the NWC Federal Credit Union, Desert Counseling Center staff members have received many complimentary comments about their new quarters.

Carpeting, drapes and other decorative touches have added to the appearance of their building, which for the first time is one that is large enough to house all of the DCC's numerous operations (except those at the Dispensary) under one roof.

Bluejacket...

(Continued from Page 1) the chaplain for the local chapter of the Navy Wives' Club of America.

The Jackmans really like the Indian Wells Valley. "We're thinking seriously about buying property here and then retiring to this area when I fulfill my military commitment," Jackman said.

Opportunities...

(Continued from Page 2)

Supv. Physicist, Electronics, Mechanical or Aerospace Engineer, GS-13, PD No. 7351103, Code 5126. This position is head of the Special Projects Branch located in the AGILE Development Division, Systems Development Department. As branch head, he provides technical and administrative leadership and experience to approximately six senior engineers and technicians of various disciplines. The mission of the branch is to provide design, development, test and evaluation of special hardware, special tests and critical components areas of the AGILE missile system. At present this effort is directed toward the hardware development of the Aerodynamically Controlled Vehicle (ACV). Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Ability to manage and coordinate the work of scientists and engineers. Ability to perform and/or direct missile design and development work. Ability to deal effectively with senior managers at NWC, in headquarters and in contractor organizations.

File applications for above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

Technical Communications Specialist, GS-1001-5 or 7, (2 vacancies) PD No. 725914, Code 5302. Incumbent will participate in the Intern Program for Technical Communication Specialist, will be assigned duties in the field of technical communications on three or more rotating work assignments within T1D. Assignments may be in areas such as proofreading, technical writing/editing, illustrating, film editing, library services, etc. Successful completion of the one year period of internship will lead to a permanent assignment. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Bachelor's degree in physics, engineering, English, journalism or communications is desirable. Must have good verbal abilities, interest in and aptitude for technical communications. Promotion Potential: GS-11 or 12.

Supervisory Chemist, Physicist or Chemical Engineer, GS-13, PD No. 7245038, Code 4543. This is an interdisciplinary position as Head, Pyrotechnics Branch, Applied Research and Processing Division in the Propulsion Development Department. Provides technical and administrative leadership and supervision to approximately twelve chemists, physicists, and technicians involved in applied research in the field of pyrotechnics. Minimum Qualification Requirements: As defined in CSC X-118. Job Relevant Criteria: Ability to develop and produce new formulations; understanding of the combustion mechanisms involved in burning; understanding of the physics and measurement of light output.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2292.

Machinist (Helper) WG-3414-45, JD No. 147-3, Code 70423. Assists journeyman in all types of general machine work including machine tool operation and the assembly, installation, and bench work required in the construction and repair of mechanical parts and assemblies. Incumbent will participate in a Pre-Journeyman Development Program. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standard in accordance with X-118C. Motor Vehicle Operator WG-5754-08, JD No. 10-2, Code 70781. Incumbent drives straight-line trucks of gross vehicle weight ratings in excess of 32,000 lb. or any tractor and semi-trailer combinations, or any tractor and trailer combination, or any "double bottom" combination such as truck and trailer, or tractor, semi-trailer, and trailer. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standard in accordance with X-118C.

File applications for above and Supplemental Experience Forms with Dora Childers, Code 657, Rm. 210, Ph. 2032.

Quarterly Visit Of Bloodmobile Slated Tuesday

An opportunity for all local residents between 18 and 65 years of age who are in good health to do a neighborly good turn will be presented next Tuesday afternoon, when the Houchin Bloodmobile from Bakersfield will be at the Ridgecrest Elks Club, 301 E. Church St.

Hours of operation during the bloodmobile visit will be from 2 to 6 p.m. on Sept. 11, Mrs. Mae Reed, chairman of the Indian Wells Valley Blood Bank, reported.

Donors will be credited with giving a pint of blood, which can either be designated for a specific beneficiary, or made available for use by anyone in need of blood.

The Houchin Bloodmobile makes quarterly visits here to assist in replenishing the supply of whole blood credited to the IWW Blood Bank.

Anyone interested in supporting



TOP LEGAL OFFICER VISITS NWC — Rear Admiral Merlyn H. Staring, Judge Advocate General of the Navy, took the opportunity to visit the Naval Weapons Center last week while on a trip to the West Coast that also included attendance at a law seminar at Camp Pendleton and stops at the Lemoore Naval Air Station and at the Navy's Petroleum Reserve at Tupman, Calif. RADM. Staring (in center) is shown above with Cdr. H. O. Brickson (at left), NWC's Judge Advocate, and Capt. T. C. Wimberly, Technical Officer, looking over one of the displays in the lobby of Michelson Lab. The Navy Judge Advocate General was briefed on technical programs by Capt. Wimberly and was shown through both Michelson Lab and the Microelectronics Lab, in addition to visiting the Supersonic Naval Ordnance Research Track (SNORT).

Sheila Dotson Elected to Nat'l Classification Mgm't Society Bd.

Sheila Dotson, head of the Classification Management Program of the Naval Weapons Center Security Department, was

Classification Management representatives from both industry and government. NCMS activities include:

Learning and disseminating philosophies and criteria of the Government's Security Classification Program.

Developing methods for training personnel in the application of security classification principles and practices.

Developing and improving systems and techniques for identifying and marking documents and materials that require classification, regrading or declassification.

Promoting understanding among the industrial, scientific, and technical communities of the character and significance of security classification.

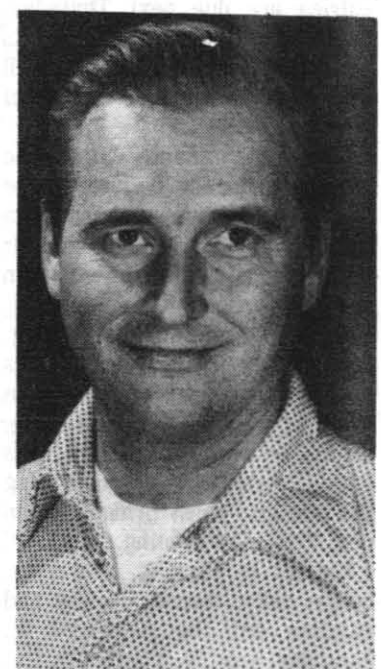
Artist To Teach Watercolor Class

Ruth Mayer, a well known local desert artist, will again offer her talents as a teacher in watercolor painting techniques.

Mrs. Mayer has been a member of the Desert Art League for seven years and is noted for her watercolor miniatures of this area. Before moving here, Mrs. Mayer taught fashion illustration at the Art Institute in Kansas for two years.

Mrs. Mayer will conduct watercolor painting classes at the Community Center every Tuesday from 7 to 9:30 p.m., starting Sept. 18. Instruction will continue for 8 weeks.

Employee In The Spotlight



Charles M. Dye, Jr.

For many years if someone in his division met Chuck Dye in the hallway and said, "I think I've got something in my eye," Chuck would noticeably falter.

While he was head of the Air to Surface Weapons Division of the Weapons Development Department (1967-71), Chuck was responsible for program management and engineering development of Fireye, Rockeye II, Briteye, Wet-eye, Bigeye, and Padeye.

Chuck came to China Lake in 1952 from the campus of the University of Iowa, Iowa City. "I was recruited by Paul Peach and came to work in his division for Don Hartwig doing analysis data on test designs," Chuck recalled.

Born in Cedar Rapids, Ia., Chuck was graduated from Franklin High School in that city. He then attended Coe College, also in Cedar Rapids, where he received a BA in physics.

Began With Test Dept.

After he was recruited to work at China Lake, Chuck spent two years with the Test Department, then joined Code 40 under Ken Johnson. From 1954 to 1956 he worked on designing adaption kits for special weapons, such as BOAR and ASROC. In 1956, he was named project engineer for the ASROC adaption kits.

He was elevated to head of Code 46's Advanced Systems Branch in 1958, a position he held until 1964. During those years, Chuck worked on CALEB and HI HOE, among other systems, and got involved with the first of the eye series, Deneye and Fireye.

He was promoted to associate head of the Air to Surface Weapons Division in 1964 and worked on conventional weapons until 1967 when he was made head of the division.

In 1971, Chuck was named to head up the Armament and Avionics Group of the Weapons Development Department's Advanced Aircraft Systems Project Office, a duty he still performs today.

Earned Master's Degree

He has been chairman of some joint, tri-service groups, such as JTCG/ALNNO, Working Party 10, and recently completed work for a Master's Degree in public administration from USC.

He has three publications still in print and his work has been rewarded with Sustained Superior Performances, QSIs and Outstanding ratings through the years.

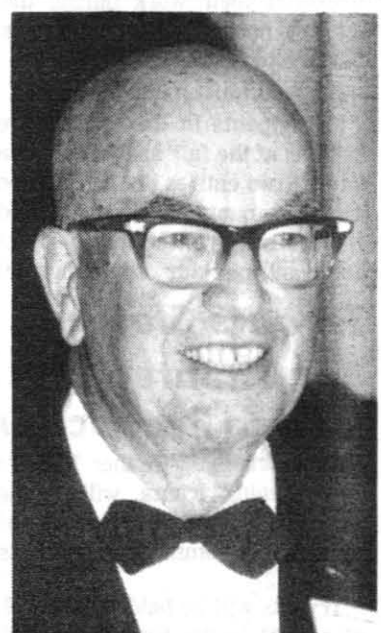
Chuck is active in his community mostly through his children. He and his wife, Doris, have five children. They are Patricia 17, a senior at Burroughs High School; Wendy 14, a sophomore at BHS; Dick 13, and Mike 11, who will attend the eighth and seventh grades at Murray School, respectively, and Danny 8, who is enrolled in the third grade at Richmond School.

Chuck has been a member of the China Lake Little League board of directors for the past six years. He is the current president of the organization, and he has also served as the deputy vice-president.

Three of the children — Trisha, Dick and Danny — are members of

the Indian Wells Valley Swim Team. Chuck is a big fan and attends the swim meets every chance he gets. Doris, who is the daughter of Bill and Erma Peirson, (Erma, a former ROCKETEER editor, died two years ago), takes Chuck one step further. She is manager of the team.

Young Mike is a rebel. He is a member of the Hi-Desert Swim Team, in Ridgecrest. The boys have all played baseball (with Chuck close at hand, watching and cheering), and Mike is reported to like all sports. Pat is a majorette at Burroughs and proudly brought home the sweepstakes award from camp this summer for the group.



CNO's FATHER DIES — Dr. Elmo Zumwalt, 81, father of Admiral Elmo Zumwalt, Jr., Chief of Naval Operations, died Wednesday in Seattle, Wash., where he had been living since leaving China Lake this past December. Prior to his departure from the local area, Dr. Zumwalt had served for nearly nine years as NWC's Industrial Medical Officer. A memorial service will be held at 10:30 a.m. Saturday at Zumwalt Park in Tulare, Calif., where Dr. Zumwalt once served as mayor and also headed the Tulare Health Department. In lieu of flowers, the family has requested that contributions be sent to the American Cancer Society. Survivors include his widow, Doris; another son, James, who lives in San Diego, and a daughter, Mrs. Richard Crowe, of Bakersfield.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

RADM. Paul E. Pugh
NWC Commander

Dr. Walter B. LaBerge
Technical Director

C. E. Van Hagan
Head
Technical Information Department



DIVINE SERVICES

PROTESTANT

Sunday Worship Service 1015
Sunday School—All Ages 0900
Wednesday Noon Bible Study 1130
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant.
Communion Service First Sunday of the month.

ROMAN CATHOLIC

MASS
Saturday 1700 fulfills Sunday obligation
Sunday 0700 0830 1130

BLESSED SACRAMENT CHAPEL

MASS
Daily except Saturday 1135
First Friday only 1135 1700

CONFESSIONS
Saturday 1545 to 1645
Sunday 0800 to 0825

CCD CLASSES
Sunday Kindergarten thru 8th grades 1015
Wednesday Seventh and 8th grades 1900
Above classes are held in Chapel Annexes across from Center Restaurant.
As announced Ninth thru 12th grades

"In Home" Discussion Groups
Monthly Youth Rallies
Contact Chaplain's Office for specifics.

JEWISH SERVICES
EAST WING-ALL FAITH CHAPEL
Friday 1st and 3rd ONLY
Sabbath Services 2000
Saturday Sabbath School 0900

UNITARIANS
CHAPLAIN ANNEX 95
Sunday Services 1930

DEADLINES:
News Stories — Tuesday, 4:30 p.m.
Photographs — Tuesday, 11:30 a.m.
The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVEXOS P35, revised July 1958. Office at Nimitz and Lauritzen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.
Phones — 3354, 3355, 2347

(Continued on Page 7)

Golfers Have Until Saturday To Sign-up for Invitational

Entries for the 12th annual China Lake Golf Club Invitational Tournament will close tomorrow. Golfers who desire to participate should contact Paul Someson at the pro shop in order to register.

The Invitational, one of the biggest tournaments of the year at China Lake, is a partners' event that will be held on Sept. 15 and 16. The entry fee is \$30 per person (\$60 per team), payable in advance.

A new, exciting format has been chosen for this year's competition. Scoring will be partner's best ball for the first 18 holes, and partner's

Marksman Seeks Sharpshooters For Pistol Team

Electronics Technician First Class Ray Lingenfelter needs three more sharpshooters for a Naval Air Facility pistol team he is currently organizing.

"We have three team members now and we really need three more. What we want are hand-gun experts who will really work and stay together," Lingenfelter explained.

At the present time three men have qualified for a place on the team (including Lingenfelter). Pistolmen must score in the 200s with a .45 caliber pistol in order to qualify for the team. "This is so they will be competitive," Lingenfelter said. During actual competition the men will shoot both .45 and .22 caliber pistols.

Membership on the NAF pistol team is restricted to military personnel and prior experience is desired, although not necessary. Team members will practice at the China Lake Police Division pistol range located on Sportsman Rd.

Registration For Femme Football Lags Far Behind

Response to women and girls' flag football registration reportedly has been poor. As of last Tuesday, only 20 women (enough for one team), had signed up for league play.

According to Bill Nicol, NWC's intramural director, only a handful of girls have shown an interest in the program.

The men have shown considerable more interest in football. Nicol said he is anticipating being able to field five intramural teams.

Varsity applications so far total 25. Dates for tryouts for varsity berths were discussed this past Wednesday at a players' meeting.

Information regarding schedules and rosters will be published when it becomes available.

Film Slated On Exploring Planets

The China Lake Astronomical Society will show a color film, "Exploring the Planets," at its next meeting on Monday, beginning at 7:30 p.m., at the clubhouse, 401-A McIntire St.

The film will illustrate many unmanned planetary probe opportunities for this decade. It includes a brief review of knowledge about each of the planets.

In addition, club members will report on the highlights of an amateur astronomers' convention they attended recently in San Diego.

The public is invited to attend.

aggregate score on the final 18 holes.

More than \$2,000 in prizes will be distributed during the two-day event. Included in this list are door prizes, day prizes, and awards for the longest drive and closest-to-the-hole. Putting contests will be held, and to top off the tournament, if one of the golfers sinks a hole-in-one, he will receive a full-service, 15-day cruise to Hawaii and back (a \$2,340 value), for two. The trip is donated by the Hucel Travel Service, in Ridgecrest.

A pre-tournament party will be held next Friday, Sept. 14, at The Hideaway Restaurant in Ridgecrest, beginning at 7 p.m. On Saturday night, Sept. 15, tournament organizers have scheduled a big bash at the Chief Petty Officers' Club. Festivities will begin at 6 o'clock and dinner will be served at 7.

Women's, Tiny Tots' Swim Classes Set

Registration for tiny tots' swim classes as well as swim classes for women is currently under way at the Center gymnasium, and will continue until Sept. 17.

Swim classes for tots will be held for eight weeks on Monday mornings, beginning on Sept. 17 at 9 for tots 6 mos. to 17 mos. old. Tots between 18 mos. and 30 mos. in age will be instructed from 9:30 to 10 a.m. each Monday, and those between the ages of 3 and 5 years will be taught from 10 to 10:30 a.m.

Women's classes are scheduled on Mondays from 6 to 7 p.m., also beginning on Sept. 17, for eight weeks.

A registration fee of \$4 will be charged for either series of classes.



PRACTICE SCRIMMAGE — Members of the Indian Wells Valley Youth Football League's junior division are shown in a practice game following registration at Kelly Field last Saturday. More than 140 boys have signed up to play in one of the league's three divisions — junior, midget and pee-wee. One final registration, to be held on a first-come, first-served basis, will be held tonight from 5 to 6 o'clock at Kelly Field, located on the Murray School campus. The only restriction is that youths be at least 8 years of age. League play will begin on Sept. 29. Volunteer referees are still needed. Interested persons should call Dick Hughes at ext. 3026.

MDISL Golfers Anticipate Tough Battle at Edwards

Dick Clay, China Lake Men's Golf Club champion and co-captain of the Mojave Desert Inter-Service League golf team, anticipates a tough battle against the Edwards Air Force Base hackers in the MDISL golf tournament set for Sept. 19 and 20 on the Edwards' links.

Edwards recently placed second in the All Air Force Tournament. Its team is composed of several men who consistently shoot well

under par. Clay, speaking for the local team in the absence of captain Max Smith, said the men practiced together over the Labor Day holiday and all played well.

In preparation for the MDISL tourney, Clay, Jeff Summey and a couple of other team members, plan a trip to Edwards this weekend to familiarize themselves with the course. This work-out, coupled with a practice round on Sept. 18, should put NWC linksmen in good shape for the match.

Even if Edwards wins the tournament and China Lake places second, NWC would still win the over-all league title. The teams to beat in golf are Norton AFB and George AFB.

With all the practice, great team spirit and a desire to win, the NWC entry in the MDISL golf tourney should have no problem emerging on top and, with that win, bringing home the Commander's Cup.

Renovation At Golf Pro Shop Nearly Complete

Renovation work on the golf pro shop at China Lake golf course is scheduled for completion today.

Larry Jensen, spokesman for the Stevens Co. of Lancaster, general contractor, said the opening should take place on Sept. 13 as planned. As of last Monday, the only work remaining was the last bit of painting and the laying of carpeting.

Improvements, made at a cost of \$10,000, include more modern surroundings with more cabinets, new shelving and wall to wall carpeting. As a result of the larger facility, Paul Someson, local golf pro, stated he hopes to be able to increase his pro shop inventory to \$15,000.

He hopes that China Lake Golf Club members "help support it," Someson commented.

—Photo by PHAN Joe Dunn



By Jack Lindsey

Each year in the United States, vandalism costs property owners millions of dollars. Senseless, vicious acts against the property of others is done at nearly every level of life.

Locally, the figure runs very high. Jimmy Lee, superintendent of the China Lake Golf Course, has been having his problems of late in regard to vandalism.

In the past two weeks, Nos. 13 and 14 greens have been torn up, requiring nearly \$700 worth of repairs, and automatic water controllers located behind No. 6 green were mangled beyond repair. That cost the Special Services Division \$1,500 to install new ones.

Bigger Problem

Even more of a problem is the residual aftermath of acts such as these. The golf course suffered from a lack of water during the period that the controllers were out of action. Jimmy had men hand-watering for eight hours per night trying to keep the course green for the up-coming Invitational Tournament (Sept. 15 and 16), but that's a losing battle.

He has had a tremendous turnover of men. Only one of his employees has been there any time at all — Lee Cowan — and at the moment, Cowan is out with a broken collar bone.

That leaves five employees who have been there less than four months, three of them less than two weeks. "It's a little difficult to keep things on an even keel when you're constantly training someone," Jimmy said.

Greens Flooded

To top it off, this past weekend, someone turned on water overnight flooding the greens and fairways, causing a different kind of damage, not to mention wear and tear on the golfers' nerves during play the next day.

And there are other senseless acts — such as burning holes in the greens' flags (costing \$75 a set) with cigarettes, and ripping up the greens around the cups. Jimmy has had his trouble with motorcyclists, as well. These two-wheeled deviators have been charging up and down some of the fairways, and in one instance around No. 5 tee, have destroyed the blue grass in a particularly beautiful area.

According to Jimmy, most of the acts of vandalism perpetrated at the golf course have been accomplished after the hour of midnight. The China Lake Police Division believes the wanton deeds to have been committed by juveniles.

Do you know where your children are at that time of night?

22 Employees Receive Fellowships...

(Continued from Page 1)

training in applied mechanics and automatic controls lies ahead at Stanford University for Hardy, who is employed in the Weapon Control Branch of the Surface Missiles Department. A 1970 graduate of the University of California at Davis, where he received a bachelor's degree in mechanical engineering, Hardy has been an NWC employee for three years.

Richard R. Klabunde — Oklahoma State University is the destination of Klabunde, an NWC employee for the past three years, who works in the Systems Development Department's Control Design and Analysis Branch. A 1965 graduate of the University of Nebraska, Klabunde also has a master's degree in engineering and engineering mechanics which he received from Iowa State University in 1970. At Oklahoma State, he will be enrolled in graduate level courses in mechanical and aerospace engineering—specializing in hydraulic control systems.

Gary L. Petersen — An employee in the Systems Development Department's Mechanical Design Branch, Petersen has left China Lake to attend graduate level courses in electrical engineering at Brigham Young University. This is a return to familiar stomping grounds for Petersen, who has both a bachelor's degree in engineering and a master's degree in mechanical engineering from BYU. He has been employed at China Lake for the past three years.

Ronald G. Stoutmeyer — Advanced graduate level training in electrical engineering is the purpose of Stoutmeyer's return to school on an NWC Fellowship, and he will be attending classes at Montana State University. A graduate of Kalamazoo College in Michigan, where he received a bachelor's degree in physics, Stoutmeyer, who works in the Weapons Control Branch of the Surface Missiles Department, has been employed at China Lake for the past 11 years.

William C. Sweatt — A 1966 graduate of the University of California at Davis, where he received a bachelor's degree in civil engineering and a master's degree in structural mechanics, Sweatt will use his Fellowship to attend the University of Arizona. Employed in the Seeker Systems Branch of the Systems Development Department, he will be attending graduate level classes in optical sciences and optical design. Sweatt has been at China Lake for nearly five years.

Henry N. Adaniya — Graduate level training in electrical engineering, specializing in solid state electronics, is in the offing for Adaniya, an employee in the Weapons Development Department's Electronics Branch. Adaniya, a 1966 graduate of the University of Hawaii, will be returning for advanced training at Brigham Young University, where he received a master's degree in electrical engineering in 1969. He has been an NWC employee for the past 2½ years.

John W. Onstott — The University of California at Davis is where Onstott, an employee in the Structural Mechanics Branch of the Weapons Development Department will be attending

graduate level courses in civil engineering, with a specialty in solid mechanics and structures. A 1969 graduate of Arizona State University, Onstott has worked here for the past three years.

I. S. (Mort) Kurotori — An employee in the Propulsion Development Department's Analysis Branch, Kurotori will take advantage of his NWC Fellowship to attend graduate level courses in mechanical engineering at the University of Arizona. A graduate of Sacramento State College with a bachelor's degree in math, Kurotori has been an NWC employee for the past 16 years.

John B. Patton — Advanced graduate level training in aeronautical and astronautical engineering at Stanford University lies ahead of Patton. A graduate of the University of Arizona, with a bachelor's degree in aerospace engineering, he is employed in the Materials Branch of the Propulsion Development Department, and has been at China Lake for the past three years.

Craig S. Porter — A graduate of the University of California at Davis with both a bachelor's degree in civil engineering, and a master's degree in structural engineering, which he received in 1968, Porter will make use of his NWC Fellowship to attend the University of California at Berkeley. Employed in the Propulsion Development Department's Structures Group, Porter will be enrolled in graduate level courses in civil engineering, specializing in structures. He has been employed at China Lake for five years.

Jeffrey W. Spindler — Graduate level training in scientific instrumentation at the University of California at Santa Barbara lies ahead for Spindler, who is employed in the Fuze Department's Fuze Project Branch III. Spindler, who has a bachelor's degree in physics, received in 1971 from the University of California at Santa Cruz, has worked for nearly two years at NWC.

George A. Banura — The University of California at Los Angeles (UCLA) is the location of graduate level classes in electrical engineering that will be attended this fall by Banura. An employee in the Engineering Department's Electronics Branch, Banura came to China Lake 1½ years ago, after receiving a bachelor's degree in electrical engineering from the Northrop Institute of Technology in Los Angeles. His specialized training at UCLA will be in electric circuits.

Milton H. Ritchie — An employee in the Engineering Department's Microelectronics Branch, Ritchie will use his NWC Fellowship to attend graduate level courses in materials science—specializing in microelectronic devices. Ritchie, who has been at China Lake since January 1960, has a bachelor's degree in chemistry from the University of California at Berkeley, and a master's degree in public administration from USC.

Donald Herigstad — Advanced graduate level training in engineering administration is coming up for Herigstad. A 1962 graduate of Portland State College, where he received a bachelor's degree in applied science, Herigstad is employed in the Conventional Weapons Branch of

the Engineering Department, and has been an NWC employee for the past 11 years.

Jerry R. Ennis — A graduate of the University of Missouri, with a bachelor's degree in mining engineering, Ennis also has a master's degree in public administration which he received last year from USC. He will make use of his NWC Fellowship to attend Brigham Young University, where he will be enrolled in graduate level courses in business administration, specializing in management within the federal government. An employee in the Engineering Development Branch of the Research Department, Ennis has been at China Lake for nearly six years.

Edward E. Hindman — A six month extension of his NWC Fellowship for graduate study has been granted to Hindman, who is enrolled in courses in atmospheric science at the University of Washington. An employee in the Atmospheric Applications Branch of the Research Department, Hindman is specializing in cloud physics and weather modification. His period of employment at NWC dates back for two years.

Undergraduate Fellowships
Richard R. Wolff — An employee in the Systems Simulation Branch of the Electronics Systems Department, Wolff will be attending undergraduate courses in computer science this fall at the University of Oregon. The holder of an AA degree in data processing received from the Desert Division of Bakersfield College, Wolff has been an NWC employee for the past two years.

Winfred E. Johnson — Undergraduate courses in electrical engineering lie ahead for Johnson, who will be attending the University of California at Santa Barbara this fall. He is assigned to the Propulsion Development Department's Missile Engineering Branch, and has been a China Lake employee for more than 12 years.

USC Fellowships
Randy R. Coates — A 1969 graduate of California State College at Long Beach, Coates will be attending graduate study courses in mechanical engineering. A China Lake employee for the past four years, he works in the Propulsion Development Department's Warhead Development Branch.

Bert P. VanDenBerg — An employee in the Systems Development Department's Infrared Guidance Branch, VanDenBerg will be completing the on-campus portion of the USC Graduate Program in Engineering—specializing in controls and systems. His employment at China Lake dates back six years.

WACOM Slates Half-Price Sale At Thrift Shop

A special half-price sale on all clothing will be conducted on Tuesday evening, from 7 to 9 o'clock, at the WACOM-operated Thrift Shop, located on S. Lauritsen Rd., between King and Blandy Aves.

Tuesday night's sale is aimed at moving out light, summer clothing in order to make way for donations of heavier, winter garb, according to Kay Joseph and Lu Hillyer, the Thrift Shop co-chairmen.



HONORED BY SPIE — One of three top awards presented annually by the Society of Photo-Optical Instrumentation Engineers is displayed by George Silberberg, who received it during the Society's 17th annual technical meeting held in San Diego. The Alan Gordon Memorial Award, which Silberberg received, honors the memory of a former long-time member of SPIE.

Silberberg Is Recognized By Photo-Optical Society

George Silberberg, a physicist long associated with photo-optical instrumentation work at China Lake, last week was singled out for special recognition by the Society of Photo-Optical Instrumentation Engineers during the group's 17th annual technical meeting held in San Diego.

Each year at this annual meeting, SPIE selects outstanding representatives from both government and private industry to honor. Silberberg, who was chosen to receive the Alan Gordon Memorial Award, shared the spotlight with Dr. Edwin Land, of the Polaroid Corp., and with another federal government employee, Wright Scidmore, of Frankford Arsenal in Philadelphia.

Now assigned to the Data Reduction Branch in the NWC Test and Evaluation Department's Test Support Division, Silberberg was cited for "his advancement of photographic instrumentation as a science of observation, recording and instrumentation."

An old-timer whose work experience at China Lake dates back to 1945, Silberberg has been involved in the field of photo-optical instrumentation for 28 years. This, he estimates, is as long as anyone else in the country who is still active in this line of work.

Silberberg was employed here initially in the Exterior Ballistics Branch, and later was in charge of all tracking mounts and special instrumentation in the old Test Department. All together, he spent some 18 years on the ranges.

Milestones marked by Silberberg during this extended period of time included the introduction of the M45 tracking mount to photo instrumentation work, as well as his part in the development (along with four NOTS employees) of a simplified system for the reduction of infrared measurements.

Labelled FATCAT (an acronym

for Film and Television Correlation Assessment Techniques), it successfully bridged the gap between data gathering and data reduction.

In a nutshell, FATCAT combines on a TV screen the film image of an aircraft in actual operation (range and attitude unknown) and the televised image of an exact scale model of the same aircraft (range and attitude exactly known).

When FATCAT's operator matches the two images by adjusting the scale model and the TV camera trained on it with the film image, he also gets a "fix" on the actual aircraft.

Once this is done (it takes only a few minutes' time and little strain), work can proceed rapidly in evaluating such things as range and aspect of the dynamic target, as well as its infrared radiating characteristics and the performance of countermeasures.

Others involved with Silberberg as co-inventors of FATCAT were John Creelius, Bill Arriola, Howard Sunmicht and Ephraim Regelson.

AAUW Luncheon Plans Announced

Plans were announced this week for the annual fall membership luncheon of the China Lake Branch of the American Association of University Women (AAUW).

During this event, which will be held at the Commissioned Officers' Mess on Saturday, Sept. 15, starting at 12:30 p.m., officers will be introduced and there will be a brief program outlining the goals of the local AAUW for the coming year.

Women who are college graduates are eligible to join and are invited to attend the luncheon. Those interested in becoming members of AAUW are asked to contact Marilyn Swanson, vice-president in charge of membership, by calling 446-7534.

Journeyman Development Program Is Success

"I wouldn't hesitate to recommend this program to any man just starting out in a skilled trade. . ."

"It's helped me immensely. I'm sure I wouldn't be where I am now without it. . ."

"This program has been extremely beneficial to the Public Works Department. It has filled the void left by the loss of the old apprentice program. . ."

What are these employees referring to? They are speaking about the Pre-Journeyman Development Program that was instituted in 1969 from an idea formulated by John Barhoum, an employee development specialist working for Bob Patterson, former head of the Employee Development Division in the Personnel Department.

The Pre-Journeyman Development Program is a replacement for the NWC Apprentice Program, cancelled in early 1966. For a few years, opportunities for formal training in skilled trades at NWC did not exist until Barhoum's new program was conceived.

However, before an NWC Instruction detailing plans for the new program could be drawn up, Barhoum left the Center. Jerry Maxwell was assigned to fill Barhoum's spot and, with Patterson's help, Maxwell wrote NWC Instruction 12410.11, dated Sept. 15, 1969.

The Instruction states that the purpose of the Pre-Journeyman Development Program is to provide opportunities to attract, retain and develop qualified employees in the skilled trades to meet the present and future needs of the Center.

Journeyman Needed

Lou Sidney, head of the Public Works Department's Maintenance-Utilities Division, stated that although the program has graduated 25 men into the journeyman ranks of the skilled trades, his division is still down approximately 50 journeymen. "Without this program, we would have been short even more," he pointed out.

"This is an excellent method of training men to work in our shops," Sidney added. "If this program did not exist, the Public Works Department would have a struggle to fill positions for jour-

neymen due to a tight labor market. And, one of the plus factors involved in the Pre-Journeyman training is that the men are well-trained mechanically — equivalent to a person who has served a four-year apprenticeship," he said.

There are three phases to the program—general orientation into the shop, promotion to helper status, then finally to intermediate status.

Under Phase I, an employee, generally from the Laborer, Heavy pool, is introduced into the shop of his choice. He learns what is involved in the trade he has selected; what to do, safety procedures, and about working inside the shop itself.

Phase II

Phase II finds the employee working as a helper for a minimum of one year. After that period of time, provided he meets all of the requirements, he is promoted to intermediate status.

As an intermediate, the employee helps journeymen at their work besides being given independent responsibility. During the intermediate status, which is also a minimum time of one year, the employee works at jobs requiring a certain amount of skill, although not at the journeyman level. At the end of one year, he is eligible for journeyman status, although few are promoted at that time. Generally speaking, most employees are promoted to journeyman after spending between 12 and 18 months at the intermediate level.

Job Potential Increases

Employees who reach journeyman status have greater job potential than the average employee. "This is due to the many on-their-own-time academic courses which they must take," said Sidney. "Many of the graduates have been picked up by technical departments on the Center for further advancement in specialized areas," he pointed out. "These include electronic technicians, engineering technicians, and men working in the experimental machinist areas," Sidney added.

Sidney pointed out that there are two methods of getting into the program. "Men who come into the Center work force as laborers who are assigned to different shop

areas over a period of time are generally encouraged to apply for the program after they show an affinity for a particular craft. In addition, veterans returning from Vietnam may be eligible for entry into the program under a veterans readjustment appointment," he added.

Vets Should Call

Veterans interested in finding out more about the VRA are asked to call Marcel Martineau, NWC ext. 2032, the Personnel Department representative for the Public Works Department.

What do some of the participants think of the program? Ray Ames, a machinist maintenance man who was one of the first men to enter the program early in 1970, has recently attained journeyman status. "I think it's a good program giving men experience in different jobs. Speaking from personal experience, the courses given as part of the program are a great help," he said.

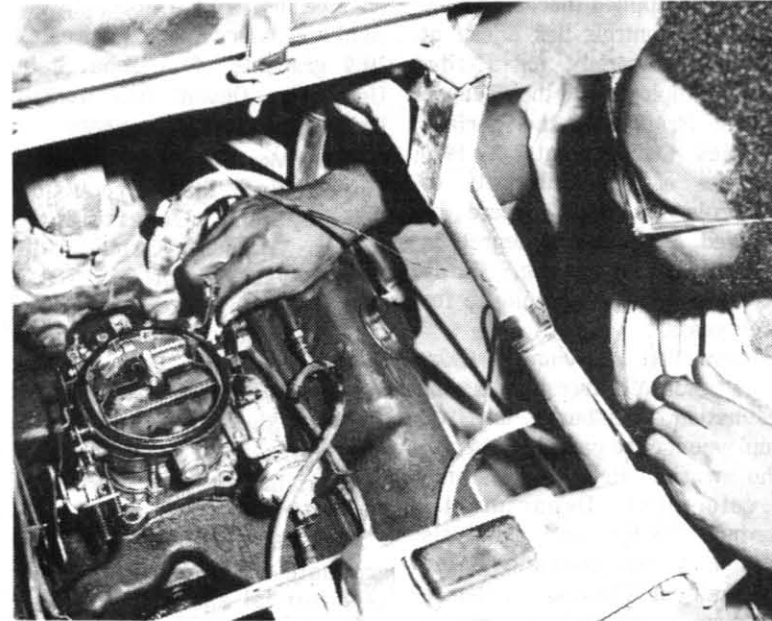
Gordy Irvin, an electrical lineman who is an intermediate, heartily recommended the program, as did Ron Ryan, a journeyman carpenter who entered the program in 1969.

Helped His Career

Al Hyles came into the program as a laborer, then transferred to the helper phase in 1971. "I'm very satisfied. I think this has definitely helped my career," he said. Hyles is a cement finisher helper about to enter the intermediate stage of the program.

"This program is a good thing for young people trying to find their way," said Samuel Davis, an intermediate automobile mechanic. Davis came into the program in October 1971 as a laborer, heavy, assigned to the automotive shop. "There are a lot of things a young helper doesn't understand. Because of the program, journeymen and supervisors are very helpful and a man's learning process is speeded up," he added.

Leroy and Randy Carson are brothers who have recently been promoted to journeyman status. Leroy Carson works in the Joiner



SAMUEL DAVIS adjusts a carburetor while on the job at the Heavy Duty Shop. Davis feels the program is "... extremely beneficial to young men trying to find their way."

Shop and is now specializing in locksmithing. Randy Carson began in the Refrigeration and Air Conditioning Shop. Both men praise the program as being beneficial to their careers.

Trade and craft areas that are participating in the program are automotive mechanic, carpenter, cement finisher, electrician, electrician lineman, electronics mechanic (maintenance), gas heating equipment mechanic, heavy duty equipment mechanic, joiner and machinist.

Others are machinist maintenance, painter, pipefitter, pipe coverer and insulator, plasterer, plumber, power plant controlman, refrigeration and air conditioning mechanic, sheetmetal worker and water systems controlman.

Persons interested in joining the Pre-Journeyman Development Program should talk to supervisors of the various Public Works shops in Codes 704 and 707, or to Martineau at the Personnel Department.

Much behind-the-scenes work within the program takes place at the department head, supervisor and Personnel Department levels.

Department heads (or their designated representatives) are responsible for assuring that training is given to develop the

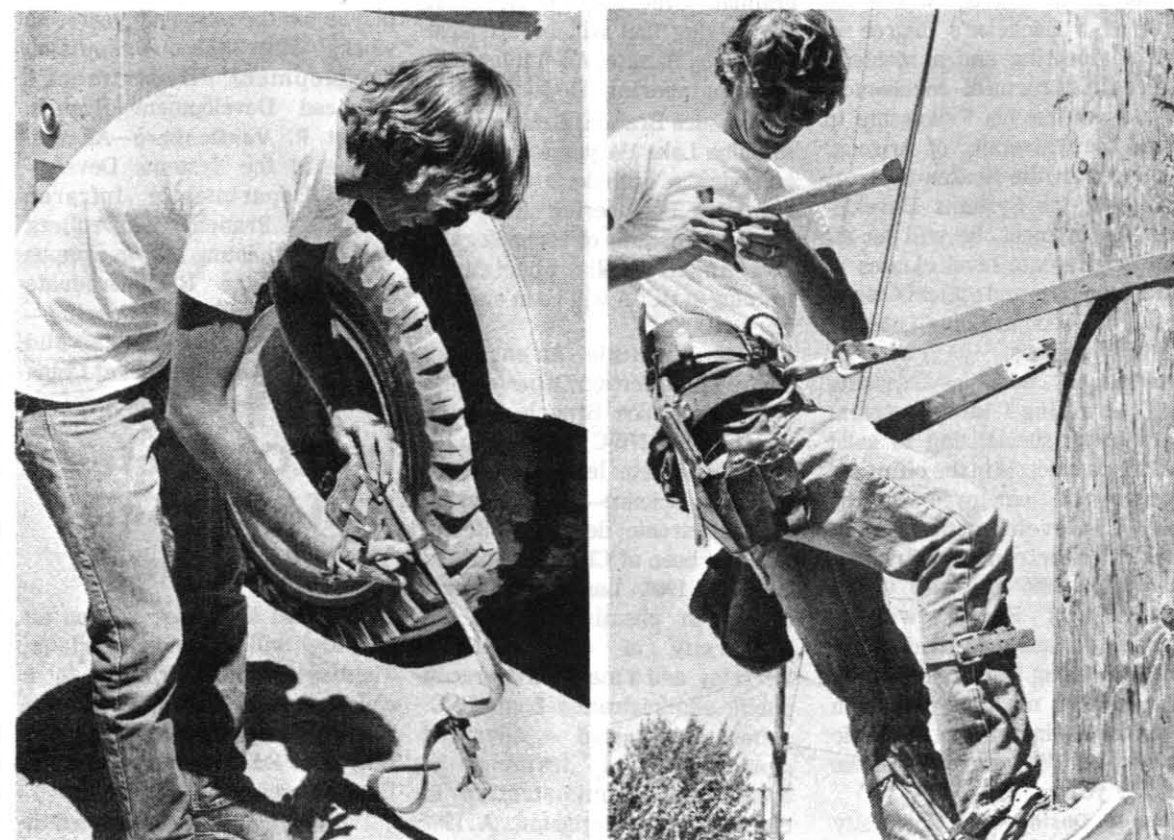
skills of the employees in the program, and that participants are made available to attend appropriate classroom training during working hours.

In addition, they must provide necessary equipment, space and time for supervisors and employees to implement the development program.

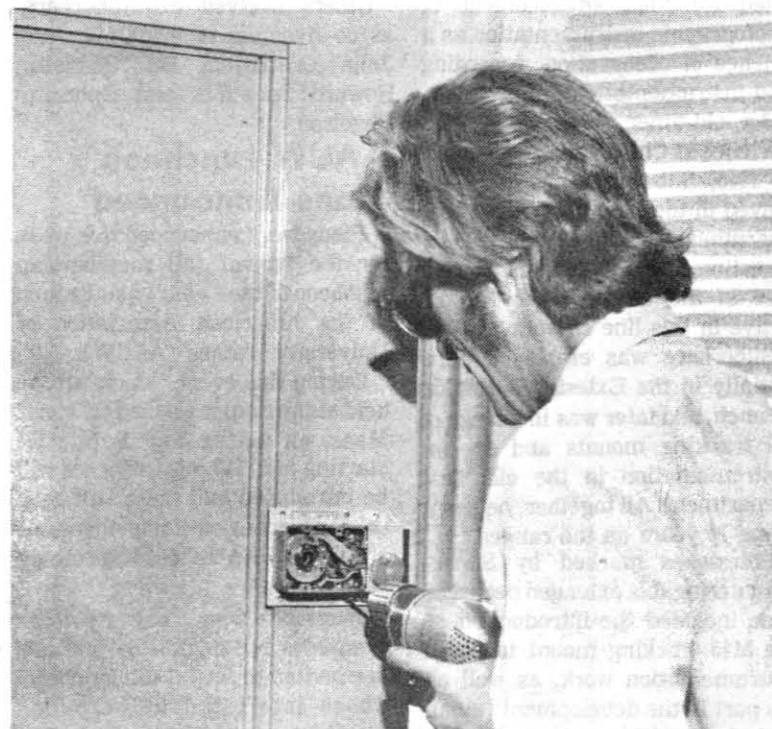
Supervisors are more directly concerned. They assign the daily work that meets the planned outlines for shop training. In addition, the supervisors arrange with other NWC shops for required training experiences that are unavailable in the home shop of the employee.

Supervisors also establish a close relationship with the Personnel Management Advisor and the Employee Development Division to facilitate the employee's progress in the program. They submit quarterly reports certifying satisfactory performances and progress of training on each employee in the program.

Photos by
PHAN Joe Dunn

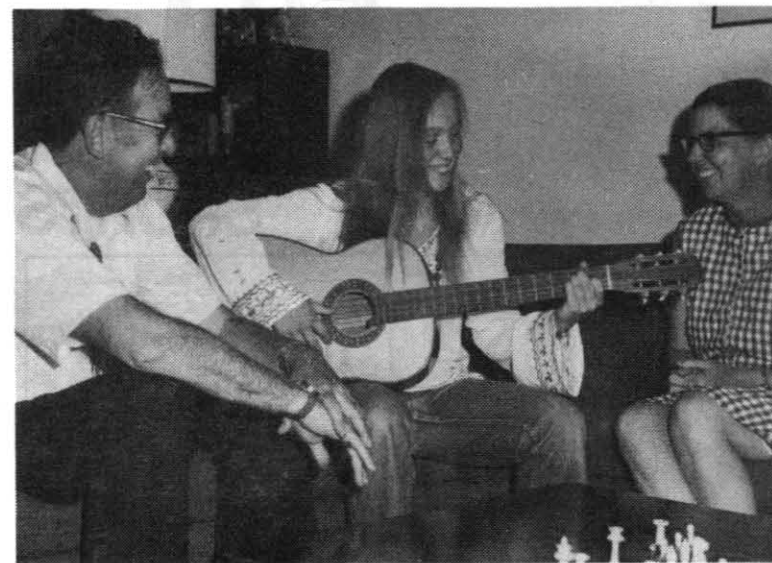


GORDY IRVIN, an electrician lineman who has attained intermediate status in the Pre-Journeyman Development Program, ascends a telephone pole while on the job. Irvin heartily recommends the program to all who question him about its benefits. In the photo at left, he is shown putting on his "climbing gear."



FITTING A COMBINATION lock on a door in Michelson Laboratory is Leroy Carson. Carson was recently promoted to journeyman and is now specializing in locksmithing.

AFS Students Look Forward to Year in Local Area



MUSICAL INTERLUDE — Mr. and Mrs. R. G. S. "Bud" Sewell listen appreciatively as Marceline Galland strums a Swiss folk song on the guitar. The young Geneva, Switzerland, native will spend the current school year with the Sewells as she attends Burroughs High School, where she is a senior.

Arrival of Swiss Girl Enlivens Sewell Household at China Lake

The "Bud" Sewell household, relatively silent for the past six months since the marriage of the Sewells' youngest daughter, Debbie, will once again vibrate to the sounds of singing and guitar playing.

The arrival of Marceline Galland, of Geneva, Switzerland, has brought Sewell and his wife, Barbara, one more daughter to raise — at least for a while.

Course of Study

Miss Galland is here as a foreign exchange student, sponsored by the American Field Service. She will attend Burroughs High School, where she will study English, U.S. history and government, home arts, typing, and physical education. In addition, the young Swiss girl will sing with the Concert Choir, directed by Alan Kubik.

When she returns to Switzerland next June, the 17-year-old student will have either one or two more years to go to complete her education. "It will all depend on whether or not the Swiss educational system counts my year at Burroughs toward my diploma," she explained.

Following the completion of this phase of her academic education, Miss Galland is undecided whether she wants to study biology, or child psychology, at the University of Switzerland, in Geneva.

Speaking with a slight French accent, the language spoken in Geneva, Miss Galland explained

who will be taking only credit-free adult education classes.

Placement exam scores are used by counselors to assist students in selecting their classes and planning a course of studies. Reservations to take the exam can be made by contacting the college counseling center, phone 375-1548 or 375-5001.

Tempo, a local musical group led by Dan Lydon, will play for a dance at the Commissioned Officers' Mess from 8 p.m. until midnight tomorrow.

The COM will celebrate Members' Night. Liquid refreshments will be dispensed at special prices, according to Drake Dierkhising, club manager.

College Placement Exam Scheduled

An additional date for offering the placement examination that is a prerequisite for being admitted to Cerro Coso Community College classes was announced this week.

The placement exam, a five hour battery of tests, will be offered again on Saturday, Sept. 15, starting at 8 a.m. in the Burroughs High School multi-use room.

An English classification exam, a test of reading skills and a general college aptitude exam are included in the battery of tests to be given. In addition, an advanced math placement exam also required for students who intend to enroll in a first calculus course.

Students who already possess a degree or have completed a substantial amount of college work are not required to take the Cerro Coso placement exam. Also exempt from taking the exam are students

Afghan Girl Joins Frank Buffum Family

Zohra Millat Hashemy, a brown-haired, green-eyed 18-year-old Muslim beauty from Kabul, Afghanistan, will be spending the next nine months here with the Frank Buffum family. She is a participant in the American Field Service's foreign exchange student program.

Miss Hashemy, who was graduated from high school in Afghanistan in January of this year, will be a senior at Burroughs High. She has enrolled in two English classes, physical education, government and history and a typing course.

Comes From Large Family The petite Afghan comes from a large family. She has four brothers and three sisters and is the oldest girl in her family. Her father is a medical doctor who has traveled and worked in many different provinces and cities in Afghanistan.

Miss Hashemy had made plans for entering engineering college when she returned home, but lately she has been seriously considering switching to medical school. She has two brothers who are presently studying to become doctors and a third brother, who also intends to enter medical school.

Leads Busy Life

She calls her home life "industrious." Her family is normally a busy one with the children studying prodigiously and being schooled in the social graces by their mother. The Hashemy family has been the subject of magazine articles in three leading publications in Afghanistan, because of its successes in many areas of Afghan life.

Miss Hashemy loves music, sewing simple dresses, playing the harmonica and singing. In addition, she is very athletically inclined. Her sports interests include volleyball, table tennis, and basketball. One of her ambitions while in the United States is to learn how to swim. The Buffum family, all energetic hikers and outdoors-oriented people, will introduce their visitor to hiking, camping and learning to ride a bicycle.

Miss Hashemy's reasons for



VISITOR FROM AFGHANISTAN — Zohra Hashemy (2nd from l., seated) is surrounded by the Frank Buffum family, whose members are very pleased at being the American "family" for the youthful Afghan girl. She is here to spend the next school year as a senior at Burroughs High School under the American Field Service's foreign exchange student program. The Buffums are Lisa (seated), Eric (r.), and Mark (in Frank Buffum's arms), Buffum and his wife, Deborah.

The AFS student claims to detest people who are lazy, ungrateful and violent — views she shares with each member of her family. She is extremely active in her own life, spending most of her time studying. When she isn't at school she fills her hours playing chess, reading English books, taking care of her stamp and coin collections and "doing something cultural."

The Buffums are Frank, an employee of Code 12, his wife, Deborah, and three children — Eric 8, Lisa 6, and Mark 3.

"We aren't the usual American family," said Mrs. Buffum. "At our home the diet varies from American to Southeast Asian to mixtures," she pointed out.

Miss Hashemy's reasons for

wanting to visit America as an AFS student show why the program exists. She said, "I think close contact among different nations, understanding each other well, are seeds for peace. AFS wants to spread out these seeds and expects them to grow."

In addition, she mentioned a desire to learn new things. "It would be a great honor for me to visit the most civilized and developed country (in the world) in order to learn the best customs. I want to bring home all the wonderful knowledge and experiences for my family and other people so both I and my people will be enlightened," said the youthful Afghan girl.

Meeting of AFGE Local Set Monday

The next monthly meeting of the members of Local 1781, American Federation of Government Employees, will be held on Monday, starting at 7 p.m., in the Joshua Room of the Community Center.

Local 1781 is the representative of a unit composed of non-supervisory civilian employees of the NWC Security Department's Police Division, who are located at China Lake.

Cal State Advisors To Be Here Monday

Advisors for Cal-State Bakersfield Business Administration BA program will be available for counseling on Monday from 10 a.m. to 2 p.m. in Rm. 107 at the Training Center.

Persons interested in being counseled for this program should call the Training Center, ext. 2359, to make an appointment.



PROJECT DIRECTOR COMMENDED — A plaque commending him for his efforts in connection with test firings of the 2.75 in. rocket at extended ranges and low altitude from an AH1G (Cobra) helicopter was presented recently to Don Willis (center), project director, by Army Maj. Bert Amidon from Ford Hood Tex., headquarters for the Modern Army Selected System Test, Evaluation and Review (MASSTER) program. On hand for the presentation ceremony was Hal Richey (at right), head of the Air Operations Division in the NWC Test and Evaluation Department. The rocket tests were conducted from April through the end of June.