



"STOP THE WORLD. . ." — The cast of the Community Light Opera and Theatre Association production of "Stop the World . . . I Want to Get Off" performs one of the play's most memorable numbers "Gonna Build a Mountain." Performances will be given in the Burroughs High School lecture center tonight and tomorrow night and again on Aug. 24 and 25 at 8:15. CLOTA's new reduced ticket prices are \$3 for general admission, and \$2.50 for senior citizens, students and military personnel. Tickets may be purchased in advance at the Gift Mart, Medical Arts Prescription Pharmacy, and T.J. Frisbee's Bicycle Shop or at the box office prior to each performance. —Photo by Liz Babcock

CLOTA lays plans for fall show during run of 'Stop the World...'

In the midst of production of the Community Light Opera and Theatre Association's summer show, "Stop the World, I Want To Get Off," plans are already well under way for the fall production.

Tryouts for the CLOTA production of



ONLY ACTING — By portraying the loneliness of the character Charlie in the play "Flowers for Algernon," this anonymous figure reminds would-be actors and actresses that tryouts for this CLOTA production are coming up next week. Directed by Elena Vitale, "Flowers for Algernon" has many excellent dramatic roles for both men and women (and two children). Tryouts will be held in Las Flores School, Ridgecrest, on Monday, Tuesday, and Wednesday, August 20, 21, and 22, from 7 to 10 p.m. A script is on reserve until Saturday in the Ridgecrest library for those who would like to read the play before tryouts.

"Flowers for Algernon" will be held at Las Flores School from 7 to 10 p.m. on Monday, Tuesday, and Wednesday, August 20, 21, and 22. Those interested in being in a play, whether or not they have previous experience, are encouraged to come to tryouts.

Other opportunities to be involved in this production are available too; names will be taken at tryouts for backstage helpers and other technical people.

This closing play of CLOTA's 1979 season concerns a loveable man, Charlie, who is retarded. Through a daring operation, he becomes a genius — and finds that being smart isn't the road to happiness he thought it was.

Parts available include Charlie, a good-looking man in his 30s; Alice, a pretty young woman; Dr. Strauss, a middle-aged neurosurgeon; Professor Nemur, another doctor, somewhat older than Dr. Strauss; and Burt, a young laboratory technician.

Other parts are available for men and women of all ages. Also needed are a young boy and girl to play Charlie and his sister in flashback scenes.

Director Elena Vitale has placed a script on reserve in the Ridgecrest Branch of the Kern County Library. The script, which will be in the library through tomorrow, is available for the asking at the desk, but may only be read in the library.

"Flowers for Algernon" will be performed at the Burroughs Lecture Center the first two weekends in October.

WACOM plans membership coffee to start new season

With the end of the summer season near at hand, plans are being made by the Women's Auxiliary of the Commissioned Officers' Mess for the resumption of activities for the fall-winter season.

First event on the WACOM calendar will be a membership coffee, which will be held on Tuesday, Sept. 11, between the hours of 9:30 and 11:30 a.m. at the COM.

The theme of this event, which will be a poolside affair, is "Cruise Aboard the USS WACOM." All current and prospective members are invited to attend, but attendance does not obligate anyone to join WACOM.

The deck area around the swimming pool at the COM will be decorated appropriately for such an event, and tables will be set up at which information outlining WACOM's wide variety of activities will be available.

An invitation for all interested women to attend has been issued by Sharon Zabel, WACOM president.

Course to be given in corrosion control at Training Center

Enrollment is now open in a course in Corrosion Control that will be held at the Training Center from 8 a.m. to 4 p.m. during the period of Sept. 17 through 20.

The course, which is to be taught by Lloyd Gilbert, of the U.S. Armament Command, offers a review of the state of the art of corrosion abatement. Emphasis will be placed upon the importance of selecting materials and coatings with a view toward the natural or man-made environment in which they will be operating.

Design principles will be reviewed in relation to the various types of corrosion that occurs, such as that caused by water intrusion, galvanic causes, and vapor corrosion.

Actual military equipment will be used to illustrate the problems that evolve when corrosion protection is not provided.

While this course is intended for design engineers, its content is extended to include areas of value to production, procurement, standardization, quality assurance, and maintenance personnel.

Employees interested in attending this class must submit a training request and authorization form via proper department channels in time for it to reach Code 094 no later than Aug. 24.



Commissioned Officers' Mess
Dancing under the stars and a buffet dinner is the Membership Night special this evening at the Commissioned Officers' Mess.

The evening will start at 6:30 with a buffet dinner consisting of a tossed green salad, baron of beef, oven-baked potato, vegetables, hot roll and butter and coffee or tea to top it off.

From 8 p.m. to midnight "The Roll of Fire", a 4-piece band from Los Angeles will be playing everything from pop to rock for the listening and dancing pleasure of COM members and guests.

The price for this special evening is \$3 for members and their spouses, and \$4 for guests.

Other special events at the COM this week will be Chinese Night on Tuesday, Aug 21, and Barbecue Night on Thursday, Aug 23.

The menu for Chinese night will be a platter of pork spareribs and chicken, country potatoes, corn-on-the-cob, and hot biscuits and honey.

For barbecue night there will be a country platter of pork spareribs and chicken, country potatoes, corn-on-the-cob, and hot biscuits and honey.

Dinners on both evenings will be served from 6 to 9 o'clock.

CPO Club
On Saturday, Aug. 25, the Chief Petty Officers' Club will be holding its annual luau.

Tickets for this special evening, priced at \$12.50 per person, are now on sale at the CPO Club office on a first-come-first-served basis.

On stage at 9 p.m. will be a Polynesian extravaganza put on by Tiare Productions, Inc. of Huntington Beach, Calif.

Preceding the show at 7 o'clock there will be an Hawaiian-style buffet featuring such culinary delights as pig-in-the-pit, pork legs, turkey with dressing, baked tuna, and yams. All of these food items will be authentically prepared, Hawaiian style in the pit.

Also on the menu will be chicken and long rice, and sweet and-sour chicken, along with assorted salads and breads. For those who do not care for Hawaiian style food there will be prime rib.

Advisory committee formed to develop handicapped program

The Handicapped Employment Advisory Committee was recently formed to aid in developing and implementing a program for employment of the handicapped at the Center.

The committee stresses that it is more important to consider a person's abilities than his or her disabilities.

Currently the committee is identifying employment problems and establishing methods of meeting these problems. Problems addressed are building accessibility, reserved parking, recruitment, and public awareness.

Anyone interested in the committee and its activities is welcome to attend any of the regular meetings that are held on the second Tuesday of each month at 3 p.m. in the Joshua Room of the Community Center, or can call members of the committee.

Those active in the organization of the committee include Dan Banks, Chairman, NWC Ext. 6360; Gail Bymoen, Ext. 2348 or 3276; and Donna Pettit, Ext. 2550.

Applicants being sought for assertion training

Registration is now open for a workshop in assertion training to be held in September in Annex 95 (the Unitarian hut).

Orientation for the workshop will be held on Monday, Sept. 10, from 3:30 to 6 p.m.; the workshop itself is scheduled on Sept. 12, 13 and 14, from 8 a.m. until 4:30 p.m.

The purpose of assertion training is to improve communication skills while simultaneously reducing anxiety.

The deadline for enrollment is Aug. 24.

Last A-4 Skyhawk being tested at China Lake

The last A-4M Skyhawk built by the McDonnell Douglas Corp. is being used at the Naval Weapons Center as a test bed airplane for the Maverick missile. As a production A-4M, it also has provisions for the angle rate bombing system.

The concept for this system was developed at NWC for the A-4M, the last production model of the Skyhawk. The system has successfully completed

technical evaluation and operational evaluation during which all requirements were met or exceeded. Bombing accuracy was approximately 1½ times better than the goal.

The tests being conducted here with the last Skyhawk will be completed in about six months and then the aircraft will be returned to the Fleet.

This aircraft, the 2,900th Skyhawk to roll

off the assembly line earlier this year, ends the longest production run in the history of jet combat aircraft. She bears the above number on the fuselage below the tail. The last Skyhawk, like No. 1 built in 1954, was delivered to the Navy.

The A-4 Skyhawk, jet attack aircraft, has been flown extensively by the U.S. Navy, the U.S. Marine Corps, and by six other nations and is expected to continue in active

military service until the end of this century.

The A-4 Skyhawk was the result of a McDonnell Douglas study to reduce the complexity, weight and cost of an attack aircraft without sacrificing performance.

This single-seat, bantamweight jet was designed initially as a carrier-based aircraft — its short 27½ ft. wingspan enabled the plane to be stored below deck on an aircraft carrier without folding its wings. The plane still had the ability to carry all types of tactical armament and soon was adopted by the Marine Corps for close air support of ground forces.

For tactical missions, the Skyhawk carries more than 9,100 lb. of armament, including air-to-air and air-to-ground



—Photos by PH2 Tony Garcia

A-4s FOREVER — The last A-4M Skyhawk to come off the assembly line is presently being used by the Naval Weapons Center as a test bed airplane for the Maverick missile. As a production A-4M, it also has provisions for the angle rate bombing system developed at China Lake. Since it was the last Skyhawk to be produced, it has been decorated with the flags of six of the nations that use the aircraft in their armed forces. This was the

2,900th Skyhawk to be built. The A-4 has proven to be very worthy in combat, not only in Southeast Asia but also in Israel during that country's brief encounter against the Arabs. When the aircraft was used by the Navy's Blue Angels aerobatic team, the pilots were so proud of the plane that they distributed "A-4s Forever" bumper stickers and this inscription on the "last of a proud breed." It was designed initially as a carrier-based jet aircraft.



EQUIPMENT CHECKED — Carl E. Burkey, Jr., project engineer for the Angle Rate Bombing System (Code 31404) developed at NWC, inspects equipment in the avionics pod of the last A-4 Skyhawk to be manufactured. This aircraft will be at China Lake for approximately six months before it is returned to the Fleet.

missiles, bombs, rockets and guns. Its Pratt and Whitney engine can propel the plane to speeds of 700 mph.

In all, 17 different Skyhawk models were produced by the manufacturer — 2,045 attack bombers and 555 two-seater trainers.

In addition to those used by the Navy and Marines, the Skyhawk has been flown by the armed forces of Australia, Argentina, New Zealand, Israel, Singapore and Kuwait. Several times during its long life it appeared that production of the airplane would end, but a continuing program of updating its engine, navigation and weapons systems kept the durable plane in demand.

Over the past 25 years, China Lake scientists and engineers have played an important role in the updating of the Skyhawk.

nwc rocketeer

Naval Weapons Center
China Lake
California

August 17, 1979
Vol XXXIV, No. 33

LCdr. Faller dies in crash of QF-86F; aircraft narrowly misses school, homes

A jet aircraft assigned to the Naval Weapons Center crashed Monday in a vacant lot in Ridgecrest causing the death of its pilot.

The aircraft, a QF-86F "Sabre" jet, crashed approximately five miles southwest of the Center. The pilot and sole occupant was Lieutenant Commander Theodore ("Ted") H. Faller, 36, a native of Miami, Fla., who lived on board the Center with his wife Elisabeth and two children. The accident occurred at about 9:30 a.m.

shortly after LCdr. Faller took off from the Center's Armitage Airfield for a routine training mission.

According to eye-witness reports of the accident, the aircraft passed almost directly over the Ridgecrest Heights Elementary School before it crashed about a quarter of a mile beyond the school. The school was unoccupied at the time of the accident. There were no other reports of damage because of the accident.

The QF-86F Sabre jet is a Korean War

vintage aircraft. The one that was in the accident was scheduled to be converted into a drone for testing weapons systems. It was piloted at the time of the crash by LCdr. Faller as part of an aircraft familiarization flight for him.

Two fire fighters at the Center who responded to the crash were slightly injured. They included Michael Higgins, who suffered smoke inhalation, and John

A movement has been started by a group of Ridgecrest Heights residents to circulate a petition in the Indian Wells Valley area to rename the Ridgecrest Heights Elementary School in honor of LCdr. Theodore (Ted) Faller.

Cunningham. Cunningham received first and second degree burns on his face and finger tips. They were both treated and released at the Center's Medical Branch Clinic.

The pilot was extricated from the crash by China Lake firemen Randy Barr, Jim Jackson, David Jester and Larry Kiester. He was then taken to the Ridgecrest Community Hospital by an NWC helicopter. LCdr. Faller was pronounced dead on arrival at the hospital at 10:04 a.m.

This accident marks the first time that an aircraft from the naval command at China Lake has crashed within the city of Ridgecrest during the Center's 35-year history.

The accident is under investigation by officials from NWC.

IN
MEMORY OF . . .

LCdr. Theodore (Ted) Faller

A Requiem Mass for LCdr. Ted Faller will be held at the All Faith Chapel today at 1 p.m. The services will be conducted by Navy Chaplain Anton Kollar, a commander from San Diego. All personnel at the Naval Weapons Center are invited to attend the Mass.

MOVIES

G: ALL AGES ADMITTED
General Audiences
PG: ALL AGES ADMITTED
Parental Guidance Suggested
R: RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

Regular starting time — 7:30 p.m.
For synopsis information call
Code 0-Phone 939-2411
There will be no matinees until
further notice.

FRIDAY AUGUST 17
"BATTLE STAR GALACTICA"
Starring
Richard Hatch and Lorne Green
(Science Fiction, rated PG, 125 min.)

SATURDAY AUGUST 18
"THE DEEP"
Starring
Jacqueline Bisset
(Drama, rated PG, 109 min.)

MONDAY AUGUST 20
"CIRCLE OF IRON"
Starring
David Carradine and Christopher Lee
(Drama, rated R, 104 min.)

WEDNESDAY AUGUST 22
"A DIFFERENT STORY"
Starring
Meg Foster and Perry King
(Comedy, rated PG, 111 min.)

FRIDAY AUGUST 24
"CHINA SYNDROME"
Starring
Jane Fonda and Jack Lemmon
(Suspense-drama, rated PG, 122 min.)

SATURDAY AUGUST 25
"IT LIVES AGAIN"
Starring
Frederick Forrest and Kathleen Lloyd
(Horror, rated R, 90 min.)

* U.S. Government Printing Office:
1979—No. 48

From: _____

PLACE
STAMP
HERE

To: _____

Electrical use down 12.3% in July

The overall electrical consumption at the Center in July was down an impressive 12.3 percent from the level of a year ago. This puts NWC well ahead of the 5 percent directed by President Carter earlier in the year.

The saving of 1,108,800 kilowatt hours of electricity plus the lowered demand charges resulted in an estimated cost saving of \$34,000 in the Center's July utility bill.

Much of the credit for this savings must go to Center residents and workers who have become more energy conscious both at work and at home. The departments' power down program and the Center's delamping efforts have also made very major contributions according to the Energy Program Office.

All Centerites are urged to be even more zealous in finding ways to conserve this precious resource.

ENERGY SCORE BOARD			
	1978	1979	Reduction Percent
Kilowatt-hours	9,050,400	7,941,600	12.3
Kilowatt demand (peak)	18,300	16,620	9.2
Kilowatt demand (mid)	18,060	16,380	9.3



SUNSHINE HOUSE BENEFIT — The Starshine Singers, a group of local musicians and vocalists, rehearse for a benefit program for Sunshine House to be held tonight and tomorrow night, starting at 8:15 at the Cerro Coso Community College Lecture Hall. Tickets will only be sold at the door before each performance. From left to right are Steven Nixon, Deborah Liv Johnson, Reno Venturi and Cynthia Harris.

Starshine Singers to perform benefit concert at college on Aug. 17, 18

The Starshine Singers will be performing a benefit concert for Sunshine House, a local activity center for the handicapped, tonight and tomorrow night at 8:15 at the Cerro Coso Community College lecture hall. Among the entertainers will be a musical combo composed of Steve Nixon, pianist; Mike Bass, drummer; and Bill Stader on the bass. Performing as the Starshine Singers will be Elena Vitale, Reno Venturi, Cynthia Harris, Richard Olson and Deborah Liv Johnson. The singers are local artists whose experiences include participation in

productions by the Community Light Opera and Theatre Association, Burroughs Players and Theatre 27, and nightclub singing. There will be no advance sale of tickets, which will be sold only at the lecture center box office prior to each show. The admission price is \$2 for adults, enlisted military personnel, children and senior citizens. All proceeds will be to the Sunshine House. The college lecture hall will seat just 200 persons. Those interested in attending are urged to come early and help pack the house. Doors will open at 7:30 each evening.

COs may authorize Navy people more travel time on transfers due to gasoline shortages

Commanding officers may approve additional permanent change of station (PCS) travel time for Navy people delayed due to difficulties in obtaining fuel for personal automobiles, or other delays experienced beyond the member's control. Additional travel time may be authorized for members who were in a travel or leave status incident to PCS transfer on or after July 7 if the travel is delayed for reasons clearly beyond the control of the Navy person. The following are listed as reasons beyond the control of member: acts of God, restrictions by governmental authorities, difficulties in obtaining fuels, or other reasons fully satisfactory to the member's new commanding officer. The individual must provide the commanding officer at the new duty station with a written explanation of the circumstances surrounding the delay. This explanation,

together with the commanding officer's approval or disapproval of the request, will be submitted with the travel voucher. Per diem travel and transportation allowance committee, Washington, D.C. message 071800Z July 1979, provides authority for this change to the Joint Travel Regulations. Members not covered by this provision who experienced delays for reasons listed above must petition the board for correction of naval records to be allowed this additional travel time if they were delayed prior to July 7.

Calendar
August 17-18-24 — CLOTA presents "Stop The World I Want To Get Off", BHS lecture center, 8 p.m.
August 17-18 — Starshine Singers, Cerro Coso Community College, 8:15 p.m.

The Rocketeer
Official Weekly Publication
Naval Weapons Center
China Lake, California
Captain W. B. Huff
NWC Commander
R. M. Hillier
Technical Director
Bernard F. Connolly
Head
Technical Information Department
Don R. Yockey
Editor
Ernest Sutton
Associate Editor
Beverly Becksvort
Editorial Assistant
Ron Allen
Staff Photographer

NAVAL WEAPONS CENTER
CHINA LAKE, CALIFORNIA
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 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. Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003.
Phone 3354,3355

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 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.

Supervisory Firefighter, GS-081-10, PD No. 7924024, Code 242 — This position is the Deputy Fire Chief in the Fire Division, Safety & Security Dept. The incumbent assists the Chief in the operation of the Fire Division and acts as Chief when he is absent. He also administers the Fire Prevention and Fire Protection programs for NWC; prepares budgets and performs equipment and property inventory; scheduling maintenance work; etc. Job Relevant Criteria: Knowledge of fire prevention and fire protection techniques with structural, aircraft and emergency medical services; ability to make sound decisions; knowledge of fire fighting and rescue operations; ability to supervise; ability to work effectively with all levels; ability to communicate both orally and in writing; knowledge of the various codes, regulations, and publications standards to the fire profession. Promotion points are GS-11.

File applications for the above with Linda Bego, Bldg. 34, Rm. 208, Ph. 3118.
Shop Planner (General), WD-6701-05, JD No. 557, Code 24403 — This position is in the Public Works Department, Maintenance-Utilities Division. The incumbent plans for the Plumbing Section and Air Conditioning Section. Processes all shop orders and job orders for the shop; orders standard and non-standard equipment; writes inter-shop orders for prefabrication by other shops; checks that all necessary material to complete the work is in stock; orders materials; reviews prints; sketches, or other instructions with the shop or craft supervisor; keeps records of all labor charges and progress of work; performs related work as assigned. Job Relevant Criteria: Ability to facilitate production; technical practices; ability to interpret instructions, specifications, etc.; knowledge of pertinent materials; knowledge of pertinent tools and equipment.

Air Conditioning Equipment Mechanic, JD No. 398N, WG-596-10, Code 2424 — This position is in the Electrical and HVAC Branch, Maintenance-Utilities Division, Public Works Department. The incumbent installs, maintains, and repairs refrigeration and air conditioning equipment and components. Equipment includes refrigeration units, refrigerated air conditioning, humidifiers, evaporative air conditioning, gas, steam, and hot water heating units. Installs and connects control mechanisms, electrical systems, and refrigerant lines; connects lines by brazing, silver soldering, soft soldering, and mechanical joints; connects recording and gauging devices; tests for leaks using various methods and equipment; repairs leaks, evacuates, and charges with refrigerants; overhauls large industrial and commercial compressors; radio graph machine cutting. Uses a wide variety of hand tools and power machines for such processes as bending, forming, fitting and welding. Works with many different commercial stock shapes and forms ranging from light gauges to heavy steel plate. Job Relevant Criteria: Knowledge of materials, guides, etc.; computing and trade mathematics; layout and pattern development; ability to cut materials pertinent to the trade; ability to use hand and power equipment (braking, forming, fastening, etc.); reading blueprints; ability to do sheet and plate metal work without more than normal supervision.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.
Electronic Engineer, GS-855-9/11/12, PD No. 7835110/793074/793077, Code 2512 — This position is in the EW Analysis Branch, Systems Sciences Division, Electronic Warfare Department. Incumbent designs simulations and tests involving the employment of electronic warfare active countermeasures systems against simulations or hardware components of threat systems. Also analyzes the capability of U.S. Navy active countermeasures equipment against threat systems to support test and evaluation. Job Relevant Criteria: Experience in use of laboratory testing, measuring and recording equipment; knowledge of operational Navy airborne EW systems; experience with military RDT&E organizations. Knowledge of the use of intelligence publications.

Electronic Technician, GS-656-11, PD No. 7825021N, Code 3553 — This position is in the Threat Radar Evaluation/Development Branch, Countermeasures Division, Electronic Warfare Department. The duty station is the Randsburg Wash Test Site. An incumbent serves as crew chief (team leader) responsible for modification, maintenance and technical operation of one of a kind threat radar systems. Job Relevant Criteria: Experience in radar system maintenance and operation; experience in a specialized test environment (such as EWETS); demonstrated ability to technically direct groups to achieve technical goals; knowledge of configuration management and controls; ability to work from rough engineering sketches and incomplete documentation.

File applications for the above with Terry George, Bldg. 34, Rm. 208, Ph. 3118.
Sheet and Plate Metal Worker, WG-3801-11, JD No. 520N, Code 24453 — (Two positions). Positions are located in the Structural Shop, Public Works Department. Incumbent is responsible for the layout, fabrication, assembly and installation of prototypes and experimental parts and equipment made from various types of ferrous and non ferrous metal and alloys. Performs electric arc welding, oxyacetylene welding, radio graph machine cutting. Uses a wide variety of hand tools and power machines for such processes as bending, forming, fitting and welding. Works with many different commercial stock shapes and forms ranging from light gauges to heavy steel plate. Job Relevant Criteria: Knowledge of materials, guides, etc.; computing and trade mathematics; layout and pattern development; ability to cut materials pertinent to the trade; ability to use hand and power equipment (braking, forming, fastening, etc.); reading blueprints; ability to do sheet and plate metal work without more than normal supervision.

File applications for the above with Lucy Lambert, Bldg. 34, Rm. 212, Ph. 2022.
Supervisory Electronics Engineer, GS-855-12/14 or Supervisory Physicist, GS-1310-12/14, PD No. 7921138, Code 31501 — This is a temporary position with potential of becoming permanent. The incumbent serves as Associate Head, Aircraft Sensor and Laser Systems Division. The incumbent aids in the planning and execution of programs for which the division is responsible with special emphasis on recognition technology. The incumbent represents the division at various meetings, helps determine policy guidelines for effective and sound management, and serves as senior consultant for avionics work. During the absence of the Division Head the incumbent assumes all the duties and responsibilities of Division Head. The incumbent is also the project engineer for target recognition projects in the Division and is responsible for directing and coordinating the development and support efforts of responsible personnel throughout the Center. Job Relevant Criteria: Ability to deal effectively with a variety of personnel, including senior management officials, sponsors, and contractors; ability to supervise and manage an organization; knowledge of technical and administrative aspects of managing a developmental program; knowledge of avionics sensors systems design and integration; knowledge of Department, Center and NASC policies and procedures regarding avionics systems programs.

Supervisory Electronics Engineer, GS-855-12/13 or Supervisory Physicist, GS-1310-12/13, PD No. 7921132, Code 3158 — This position is the head of the Target Recognition Branch, Aircraft Sensor and Laser Systems Division, Systems Development Department. Incumbent will manage programs in the fields of signal processing related to automatic target classification and identification systems associated with aircraft weapon and avionics design. Programs include: Automatic Ship Classification for Ocean Surveillance and Automatic Emitter Classification. Incumbent performs extensive liaison/Interface with Washington sponsors. Job Relevant Criteria: Knowledge of avionics systems design, including specific work in pattern recognition; knowledge of digital and analog systems design; ability to develop planning and reporting documents and to maintain effective liaison with numerous sponsors; ability to supervise and manage an organization. NOTE: GS-13 is contingent upon classification approval. Previous applicants need not reapply.

Interdisciplinary, GS-7/9/11, PD No. 7931139, Mathematician, Physicist, Electronics Engineer, Code 3193 — This position is located in the Avionics Data Reduction Section of the Facilities Software Branch. The incumbent is responsible for the development, analysis, and programming needed for processing data for the A-6 and A-7 aircraft flight data. Job Relevant Criteria: Skill in FORTRAN using both batch and remote signals; ability to plan tasks, write reports, document software; knowledge of computer systems operation.
Clerk-Typist, GS-322-4, PD No. 7832024N, Code 3265 — This position is located in the Chemical Systems Branch, Conventional Weapons Division, Ordnance Systems Department. The incumbent performs clerical and typing duties to support the work of the branch such as: typing technical notes and reports, correspondence, travel orders and statistical tables. The incumbent receives incoming phone calls and visitors, receives and distributes incoming mail, and arranges for travel. The incumbent also maintains branch files and performs custody control functions for the branch. Job Relevant Criteria: Knowledge of NWC and Navy correspondence procedures and instructions; ability to communicate effectively in writing; ability to type.
File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.
Electronic Engineer, GS-855-9/11/12, PD No. 7835110/793074/793077, Code 2512 — This position is in the EW Analysis Branch, Systems Sciences Division, Electronic Warfare Department. Incumbent designs simulations and tests involving the employment of electronic warfare active countermeasures systems against simulations or hardware components of threat systems. Also analyzes the capability of U.S. Navy active countermeasures equipment against threat systems to support test and evaluation. Job Relevant Criteria: Experience in use of laboratory testing, measuring and recording equipment; knowledge of operational Navy airborne EW systems; experience with military RDT&E organizations. Knowledge of the use of intelligence publications.
Electronic Technician, GS-656-11, PD No. 7825021N, Code 3553 — This position is in the Threat Radar Evaluation/Development Branch, Countermeasures Division, Electronic Warfare Department. The duty station is the Randsburg Wash Test Site. An incumbent serves as crew chief (team leader) responsible for modification, maintenance and technical operation of one of a kind threat radar systems. Job Relevant Criteria: Experience in radar system maintenance and operation; experience in a specialized test environment (such as EWETS); demonstrated ability to technically direct groups to achieve technical goals; knowledge of configuration management and controls; ability to work from rough engineering sketches and incomplete documentation.
File applications for the above with Terry George, Bldg. 34, Rm. 208, Ph. 3118.

DIVINE SERVICES
PROTESTANT
Sunday Worship Service 1000
Sunday School—All Ages 0845
Sunday School Classes are held in Chapel Annexes 7, 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 0830-1130
Nursery, Chapel Annex 1 0815-1245
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 11th grade 1000
Above classes are held in the Chapel Annexes across from the former Center Restaurant.
Sunday afternoon 12th grade 1630
As announced "In Home" Discussion Groups and Youth Rallies
Contact Chaplain's Office for specifics.
JEWISH SERVICES
EASTWING—ALL FAITH CHAPEL
Sabbath Services every Friday 1930
UNITARIANS
CHAPEL ANNEX 95
Sunday Services—(Sept.-May) 1930

Youth soccer tryouts set for September at Davidove Field

Registration for tryouts for the Youth Soccer League fall season have been scheduled at Davidove Field on Wednesday and Thursday, Sept. 5 and 6. A second session will be held on Saturday, Sept. 8.

All youths desiring to play in this league must attend one of the tryout sessions. In addition, they must complete the registration form to be signed by parent or legal guardian, pay membership dues, soccer fee and shirt cost, and complete a series of skill tests to measure ball control, speed, power, and accuracy. The results are used only to ensure evenly balanced teams. Players who fail to complete any of the above steps risk being assigned to a waiting list. When team rosters reach 16 players, no one else will be added to that team.

The schedule for Youth Soccer League signups are grades 5 and 6, Wednesday, Sept. 5, 6 p.m., and Saturday, Sept. 8, 10 a.m.; grades 3 and 4, Wednesday, Sept. 5, 5 p.m. and Saturday, Sept. 8, 9 a.m.; and grades 1 and 2, Thursday, Sept. 6, 5 p.m. and Saturday, Sept. 8, 5 p.m.

Only members of the Youth Center are eligible to participate in the Youth Soccer League program next fall. Registration for the soccer program is being handled at the Community Center, where Youth Center membership fees also may be paid.

Additional information can be obtained by calling Bernardette McGraw at NWC Ext. 2010.

Raiders win...

(Continued from Page 6)

at bat, the Homestead team was forced to settle for one run in the third inning and two more in the fourth.

A three base blow by Jerry Crow, followed by a double off the bat of Jerry Mather, produced one run for the Homestead in the third inning. In the fourth for the Homestead, the slow pitch champs loaded the bases on a single by Richie Clodd and Rick Booth and a walk issued to Randy Klassen.

The Raiders' defense was tough, however, and limited the Homestead to two runs on sacrifice hits by Gerry Caffery and Art Donaldson before retiring the side and ending the scoring by the Homesteaders for the remainder of the game.

Next and final action of the season for the Homestead slow pitch team will be participating in a tournament at Bishop on the weekend of Aug. 24, 25 and 26.

Sign ups start tomorrow for AJBC team play

Local youths interested in American Junior Bowling Congress (AJBC) team competition for the coming season will be able to register tomorrow and on the following Saturday, Aug. 25, at Hall Memorial Lanes on the Naval Weapons Center.

There is a charge of \$1.50 per boy or girl to join the AJBC. Team bowling will begin on Saturday, Sept. 8.

For those who are unable to attend the AJBC registration sessions on either Aug. 18 or 25, signups will be handled at any time after Aug. 18 at Hall Memorial Lanes.

Also under way at the China Lake bowling alley is registration for men's, women's and mixed leagues that will be competing during the fall and winter season.

Interested persons can obtain additional information by calling Dean Ray, manager of the bowling alley, at NWC Ext. 3471.

NEX 'Moonlight Sale' to be held tonight

The "Moonlight Sale" at the Navy Exchange Retail Store will be held tonight from 7 to 9, with all authorized patrons invited to shop for savings in every department.

Ltjg. Robert Boyd, NEX officer, says that sale items will include small appliances, cosmetics, housewares and some clothing with super specials throughout the store.

employee in the spotlight

By Ernest R. Sutton

The famous last words that were told to Dr. Karl C. Kauffman when he began to organize the youth and adult soccer leagues in the fall of 1975 at China Lake were, "Soccer will never catch on in the desert."

Well, soccer has caught on in a big way. Kauffman, a research chemist in the Materials Engineering Branch of NWC's Engineering Department, was asked by officials in the Special Services Division to organize a soccer program for youths.

"At first I didn't have much feeling for it," Karl recalled. "I am single by choice and I just didn't believe that working with youngsters in my off duty hours would be pleasurable. But I was surprised. Almost immediately I found the kids fun to work with and all of them so enthusiastic and eager to learn the sport of soccer."

From less than 100 players the first year, the number of youngsters involved in soccer has increased to the point where Karl expects about 400 to turn out this fall. This will be enough for 22 youth soccer teams. In addition, another 150 students will be playing soccer at the junior high school in Ridgecrest, in an athletic program managed by the city and the school district.

Karl Not Interested in Sports in School

When Karl was attending high school and college in Dayton, Ohio, he said he never found time for sports. "The trouble with most sports is that they take so much of your time. I can see spending one or two nights a week bowling or playing soccer, but when you go out for football, during the season you have to train almost every day," he commented.

While in high school, Karl became interested in chemistry, but at the same time he also took physics, taught by the same teacher. "Probably one of the reasons why I decided on a career in chemistry was because my teacher was a better chemistry teacher than a physics teacher," Dr. Kauffman said.

In his sophomore year at the University of Dayton, his chemistry teacher recommended that he forget chemistry and concentrate on physics. He didn't. But at the same time, he knew some players on the college soccer team and kicked the ball around with them.

"I probably would never have been a good analytical chemist, but I find being a polymer research chemist very enjoyable," Karl said.

After graduating from the University of Dayton with a bachelor of science degree in chemistry in June 1963, Karl began studying for his master's degree in physical organic chemistry at Ohio State University.

Learned From Foreign Soccer Players

"I got more into soccer while at Ohio State but as a graduate student I couldn't be a member of the university team," Karl continued. "What really locked me into the sport was the fact that there were so many foreign students at Ohio State. I got to play ball year around with people from about every country you can think of. Outside of the United States, soccer is pretty much the only team sport, and about everyone plays at one time or another in his life."

Karl received his master's degree in 1967, then for the next two years he pursued his Ph.D. in physical organic chemistry at Ohio State. He was awarded his Ph.D. in December 1969. The next month he was hired by the Goodyear Tire and Rubber Co. in Akron as a research chemist in the company's research laboratory.

After 4½ years with Goodyear Rubber, Dr. Kauffman saw an advertisement for a research chemist position in the Ordnance Systems Department at China Lake. Because he wanted the opportunity to broaden his field, he applied and began work at the Naval Weapons Center in September 1974.

"At Goodyear, I was mostly working with catalysts to make synthetic rubber. Here at the Center," he continued, "my duties are multi-disciplined. I have the opportunity to work with different polymers, plastics, rubbers, and adhesives (anything that might go into a weapons system)."

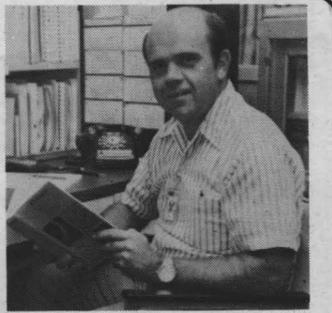
Women's Equality Day to be marked at Library

The Naval Weapons Center's Library will recognize Women's Equality Day with a special exhibit from Aug. 26 through Sept. 1, which will display reading material pertinent to women's rights.

Women's Equality Day is proclaimed by the President on Aug. 26 each year. The President calls upon the people of the United States to observe this day with appropriate ceremonies and activities.

"In about 5 or 6 years I won't be good enough to compete in soccer..."

Dr. Karl C. Kauffman



Dr. Kauffman states that when he arrived here there were only a couple of adults who would go out and kick a soccer ball around. By the end of his first year here, he had organized a team which had played several games.

"There has been professional soccer in the United States for over 60 years, but youth soccer is fairly new. Until about ten years ago, the game was exclusively adults. It never occurred to anyone to teach it to kids or to tell newspapers about the sport. Obviously, you have to keep up interest or after awhile you will have no one to play the game," Karl claims.

400 Youths Expected To Participate in Fall

Karl has kept up the interest so well at China Lake that come this fall the Youth Soccer League will need two fields to play its Saturday games on. The 400 youths will make up about 22 teams of 1st through 6th graders.

Just recently Dr. Kauffman received a special achievement award from Capt. F. H. M. Kinley, former NWC Vice Commander, for organizing and directing the youth soccer program at China Lake. The award recognized the effort he has put into the program over the past four years.

Late this spring Dr. Kauffman and others in the area hastily formed the High Desert Soccer League, whose teams include China Lake, Edwards Air Force Base, Tehachapi Correctional Institute and others.

"When we got the league started we knew we were going to have problems the first year, but we wanted to hurry it along. We did have problems with officiating and player shortages," he said.

Dr. Kauffman reported that there were a number of fist-fights and other squabbles this year which could have been prevented through proper refereeing. "Some of our players would make good referees but we need them on the field," he said.

The students he coached four years ago are now in junior high school; consequently, there became a need for a soccer program at the local junior highs. Seeing this need, officials at the schools began a soccer program for junior high school students.

"You can see what is happening. As youth soccer players progress from elementary school to the junior high school level, they still want to play the game. Soon there will be a need to expand to the high school level," Karl claims.

Parents, Children Need Alternative to Football

He went on to say that many parents want an alternative to football. Many youngsters are not well-suited to football because of the type of game that it is. "These kids are more inclined to play soccer," he said.

Besides coaching the sport, Dr. Kauffman has been an active member of the China Lake Soccer Club for the past four years. He says that he doesn't expect to be able to compete more than another five or six years.

"The youngsters I have been training will become adults soon and since they got into the sport so young, they will be better players than their original coach. I wouldn't be able to compete against them as adults," Karl stated.

Karl also said that soccer builds physical fitness better than any other sport including swimming or basketball. "When you are on the field playing, no matter how bushy you are, if the ball involves your position, no soccer player can pass up the chance to run," he announced.

Dr. Kauffman will enlist the aid of a co-director during the fall session of the Youth Soccer League.

"With his help I may find time to set back and relax. I have heard that hiking is a lot of fun. Maybe I will try that if I am not spending all of my time with 'my kids'," Karl said.

With his love of the game of soccer and his interest in helping youngsters, Dr. Kauffman probably will never be able to divorce himself completely from the Youth Soccer League. Whether he does or not, there will be thousands of youngsters from the area who will always remember him as the man who first introduced them to the game of soccer.



Recreation Roundup

Volleyball players asked to register teams at gym

Registration has begun for the 1979 NWC winter volleyball program at the Center gym. Games will be played Monday through Thursday evenings, beginning in September and ending in late October. Two leagues will be formed, one having 6-player teams, and the other having 2-player teams. Both leagues will be co-ed.

A representative from each team must present a team roster to the gym office by Wednesday, Aug. 29. Those who are not on a roster and wish to participate may contact the gym office and have their names placed on a list from which teams can choose.

All participants must hold either an Athletic Association or a Sports Activity card. Further information may be obtained either by telephoning the gym, NWC Ext. 2334 or 2571, or by telephoning Jerry Kissick at NWC Ext. 3990.

Swim and Dive Meet

The Naval Submarine Support Facility in San Diego will host an open invitational swim and dive meet on Saturday, Aug. 25, beginning at 8 a.m. All active duty Navy and Coast Guard personnel are invited to compete.

Anyone wishing further information should telephone the NWC gym at Ext. 2334 or 2571 no later than Monday.

Bowling Tournament

All active duty and retired military personnel are invited to take part in the George AFB fall invitational bowling tournament. The tournament will be held in the George AFB Bowling Center at George AFB in Victorville, on Aug. 25 and 26. Events include bowling with 4 person teams, singles, and doubles. Entry fee for the tourney is \$50 per team.

California Angels Tickets

Reduced-price admission tickets to the California Angels home games are available to all Magic Kingdom Club card holders. By presenting this card reserved or box seats to the games are available at a reduction of 50 cents per person. Magic Kingdom Club cards can be obtained free at the NWC Community Center during working hours.

Night motocross racing to be held at fairgrounds, Sat.

A program of motocross races for motorcycle and motorbike racing enthusiasts will be held tomorrow at the Desert Empire Fairgrounds in Ridgecrest.

For this event, which is co-sponsored by the Ridgecrest Cycle Park Commission and the Sandblasters Club, the fairground gates will open for signups at 2:30 p.m., and practice runs by participants are scheduled from 3:30 to 4:30. The first race of the day is slated at 5 p.m.

The entry fee is \$10 for 80 cc through 250 cc motorcycles and motorbikes, whose riders will compete in open division, over-the-hill, old timers, and powder puff divisions.

Riders of mini-mini bikes also may enter a separate division by paying a fee of \$5 each.

At stake will be trophies that will be awarded to the winners in each division.

Motorcycle racing fans are welcome and will be admitted for a charge of \$2 per adult and \$1 for children under 12 years of age.

Raiders defeat Homestead to decide unofficial city softball championship

In a double-header played on Wednesday night of last week to determine the unofficial city softball championship, the Raiders, champions of the men's Fast Pitch Division in the China Lake Intramural Softball League, defeated the Homestead, co-champs of the Slow Pitch Division, by scores of 8-4 and 13-6.

The first game was a fast pitch contest and in the second tilt slow pitch rules were followed.

In the fast pitch clash, the Homesteaders were limited to just four hits by Barry Olson, winning pitcher for the Raiders, but made them all count as they tallied all of their runs in the fourth inning.

Back-to-back singles by Richie Clodt and

Randy Klassen gave the Homestead team two men on base in the fourth inning. Andy Gilpin came through with another single that drove in Clodt, and this set the stage for a home run by Al Chieze, right fielder for the Homesteaders.

At this point in the contest (top of the fourth inning), the Homestead team led 4-1, but after that it was all downhill for the slow pitch champs.

The Raiders started off slowly as they scored one run each in the first and fourth innings. Marty Stoner broke the scoring ice in the first inning for the Raiders, after getting on base on a walk.

The tight defense of the Homesteaders limited their opponents to just one run in the

fourth inning, when the Raiders loaded the bases on a hit by Mike Pangle that was sandwiched in between walks issued to Mark and Marty Stoner. A sacrifice by Jim Wooten enabled the Raiders to tally their second run of the game and reduce the Homestead team's lead to 4-2.

During the Raiders' turn at bat in the last half of the fifth inning, Bob Beecroft led off with a double and scored on a hit by Mike Stoner. Before the Homesteaders were able to retire the side, the Raiders tallied three more times to surge ahead 6-4.

The fast pitch champs took advantage of four errors to push across three unearned runs in the fifth inning, and then clinched the victory by scoring their final two runs of the game in the sixth inning on a hit, a sacrifice, two walks and three more errors committed by the Homestead team.

The Raiders also had the best of it in the second half of the double-header as they out-hit the Homestead 19-10 to post a 13-6 victory in the slow pitch contest.

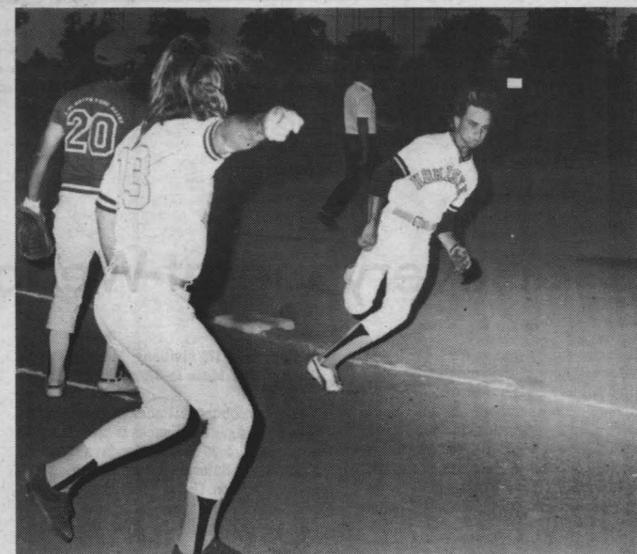
Both teams scored 3 runs in the first inning of this tilt. The Raiders went right to work by getting three consecutive singles. The third one, by Bob Beecroft, drove in Marty Stoner with the game's first run. A throwing error by the Homestead team enabled run No. 2 to cross the plate, and Beecroft, who had moved to third on the miscue, tallied on a fly ball hit to the outfield by Mike Stoner.

In the Homesteaders' first turn at bat in the slow pitch game, Jerry Crow singled and scored on a double by Ernie Bell. A sacrifice by Jerry Mather moved Bell to third base and Bell later scored on a home run hit by Andy Gilpin.

The Raiders' strength at the plate was too much, however, for the Homestead team. The Fast Pitch Division title holders scored 2 runs each in the second, fourth and fifth innings, and added 4 more tallies in the sixth inning to win handily by a final score of 13-6.

All of the Raiders' 19 hits in this game were singles, as they blasted away at the offerings of Art Donaldson, pitcher for the Homestead team. In the sixth inning, when the Raiders scored 4 runs, they bunched 6 hits and also benefited from 2 errors by the Homestead team.

After getting three runs in their first turn (Continued on Page 7)



GO THAT-A-WAY — Art Donaldson, third base coach for the Homestead, signals for teammate Richie Clodt to pour it on as he rounds third base and heads for home to score the Homestead team's first run in a fast pitch softball game played against the Ridgecrest Raiders. Watching for the ball to be relayed in from the outfield is Steve Alvarado, third baseman for the Raiders, who won the contest 8-4.

Senior division golf crown in 11th N.D. tourney won by Jim Kincheloe

Jim Kincheloe, head of the Ordnance Division in the NWC Aircraft Department, was the winner last week of the senior division in the 11th Naval District's Southern Area golf tournament.

During four 18-hole rounds of golf played at the Miramar Naval Air Station golf

Ted Lamparter, a golfer from Attack Squadron 124 at NAS Miramar.

While sea duty has kept him away from Navy golfing competition until recently, Kincheloe was the all-Navy senior division golf competition champion in 1975.

As a result of his victory in 11th ND Southern Area elimination event, Kincheloe qualified to enter the 11th ND golf finals that began this past Monday at the Admiral Baker golf course in San Diego.

Winter fast pitch league almost full as 14 teams sign up

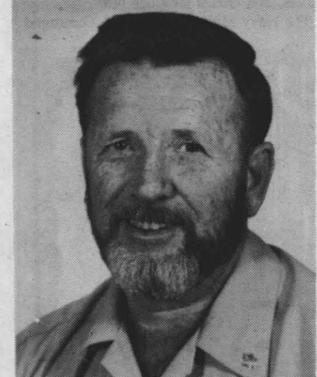
Fourteen teams have already signed up for the winter fast pitch league with the draw being closed when the 16 team limit is filled, according to Les Bazemore.

Among the new teams already signed up are the Trap Club and Big Red, while among those returning this winter to the league are the Raiders, Fuller Masonry and Lint Realty.

Any team wishing to enter after the first 16 teams have been registered will be placed on a waiting list. In addition, any team that has contacted Bazemore about entering the league should verify the entry to assure a place in the league by calling him at 375-7423.

Entry deadline will be Aug. 22 with no teams accepted after that date.

An organizational meeting for coaches and managers will be held Monday at 8 p.m. in the Community Center.



James Kincheloe

course in San Diego, Kincheloe topped a field of 20 entrants as he fired a 72-hole total of 307.

The local golfer's best rounds were his efforts on the first two days of the tournament, when he finished with 18-hole totals of 76 on each day.

Kincheloe's total score of 307 was three strokes better than his nearest competitor,

Robinson Memorial golf tourney to be held here tomorrow

The fourth annual Frank D. Robinson Memorial Golf Tournament will begin tomorrow morning at 8:30 at the China Lake course. Funds raised in this charity event are used to provide a scholarship for some deserving young athlete from Burroughs High School.

The IWV Century Football Association sponsors the tourney in honor of the late Frank Robinson, who had been a long-time supporter of athletics in the local area.

This team play event has separate prizes for low net scoring teams with handicaps and for Peoria players (those who do not have handicaps). First place winners in each category will receive television sets; other appropriate prizes will also be awarded, including a hole-in-one prize for all 4 par-3 holes. Most prizes have been donated by local merchants.

Following the 18-hole regular tourney, a 9-hole horse race will be held for the 10 low net teams in which one team will drop out after each hole of play. A chipping and putting contest is also planned.

The full day of golf plus an evening dinner dance is covered by the entry fee of \$30 per person. Those who wish to take a guest to the dinner dance held tomorrow evening at the Enlisted Club will be charged \$7 for the guest.

Registration for the Robinson Memorial tournament will begin at 7:30 a.m.

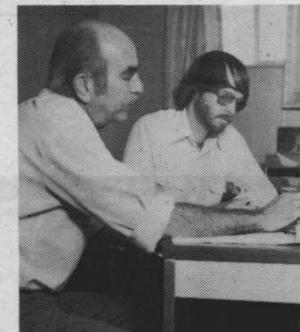
Summer employees represent wide range of talent

A wide range of talent is represented by the 300 summer employees presently working throughout the Naval Weapons Center in technical, clerical, trades and labor positions in about every department at China Lake.

The summer employees range from young people of high school age to postgraduate level college and university students and faculty members.

According to Tina Rockdale, the summer employee program coordinator, 657 applications were received for summer employment at China Lake. Processing of the applications was started in April and the first employees were brought aboard the Center on May 14. However, the largest number came to work in the middle of June after the end of the school year.

A total of 311 were employed here in 1978, which was a sizeable increase over the 119



SUMMER PROFESSIONAL — James Guptill (right) has worked at the Naval Weapons Center as a summer professional for about seven years. He is presently studying for his doctorate in mathematics at the University of Washington in Seattle. Guptill is shown working with John Wilson, a mathematician in the Weapons Systems Cost Analysis Division of NWC's Office of Finance and Management.

Promotional Opportunities . . .

(Continued from Page 2)

Electronics Technician (Training), GS-556-12, PD No. 7926149E, Code 3623 — Position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. Incumbent develops and instructs courses, and provides project leader and expert/consultant services, concerning theory, operation, repair and testing of Sidewinder AIM-9D, G, and H guidance sections. Job Relevant Criteria: Knowledge of Sidewinder electronic guidance section performance parameter test operating characteristics, and test equipment interfaces; expert knowledge of the AIM-9D, G, and H Sidewinder models; ability to prepare test procedures from which to develop and implement training courses in the theory, operation, and maintenance of the 9D, G, and H guidance sections; ability to design and fabricate interface circuitry used for adapting existing test equipment to provide test capability for the 9D, G, and H; ability to safely coordinate, direct and execute line ordnance tests and ability to communicate effectively both verbally and in writing in dealings with foreign and domestic contractor, sponsor, and operating personnel.

Machinist Leader, WL-3414-11, JD 660N, Code 3647 — Position is located in the Mechanical Prototype Branch (NC Machining Section), Engineering Prototype Division, Engineering Department. Incumbent performs NC machining work and, in addition, assures that the work assignments made to other machinists in the NC Machining Section are carried out efficiently and in accordance with established procedures and practices. Job Relevant Criteria: Applied knowledge of the trade; ability to act as Group Leader; ability to interpret instructions; knowledge of pertinent materials; knowledge of pertinent tools and equipment. Supplement experience statement is required and may be picked up in RM. 206 of the Personnel Bldg.

Equipment Specialist (Missile), GS-1670-11 PD No. 783606AE, Code 3655 — Position is located in the Logistics Documentation Branch, Technical Data Division, Engineering Department. Incumbent manages the supply support (and other assigned logistics functions) for various weapon subsystems/components. Such support includes provisioning parts breakdowns, illustrated parts breakdowns, bulk item lists, allowance parts lists, etc. Management responsibility includes planning, contractor direction, training, and evaluation of the support effort. Job Relevant Criteria: Knowledge of operating, handling, and maintenance requirements of air-launched missiles, conventional free-fall weapons, and electronic and mechanical group support equipment; ability to perform logistics/supply support planning and parts provisioning; knowledge of engineering drawings and military specifications and standards associated with above-mentioned weapon systems and equipment; ability to communicate effectively orally and in writing; ability to work effectively as part of a logistics support team.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 206, Ph. 2925.



OLDEST SUMMER EMPLOYEE — Patricia Coleman, who is working as a computer aid in the F-18 office of NWC's Systems Development Department, flow charts a program in preparation for running it through the computer. Ms. Coleman, the oldest summer-hire to be employed at the Center, is attending Cerro Coso Community College in Ridgecrest.

summer hires in 1977 and the 157 who were employed in 1976.

Of the 300 presently employed this year, 17 are summer professionals hired at the GS-5 through -11 level as metallurgists, mathematicians, and technicians. One hundred and fifty-five persons were hired as GS-2 through -4 clerks and clerk typists. Another 88 persons are employed in the same pay grades in non-clerical positions as math aids, administrative aids, biology aids, engineering aids, computer aids, physical science aids, lifeguards, and recreation aids.

In addition, 40 summer aids are assisting work centers in different areas to gain work experience and training in various positions. The largest number of these are assigned to the Public Works Department where they work in such areas as the carpentry shop, metal shop and automobile repair shop. Others are working on the NWC ranges and in clerical positions.

Approximately 95 of the summer hires

this year had worked here in previous years and were accepted without the necessity of having to take the summer employee examination.

With the exception of high school and college students from Indian Wells Valley, the summer hires come from colleges and universities throughout the United States.

"About the only problem they have had so far this year was to find apartments for the summer in the Ridgecrest area. I feel that NWC has a very healthy summer employment program with the students getting a lot out of their work here," Ms. Rockdale concluded.

27 CETA employees

As an outgrowth of the Arvin pilot summer employment program held last year for Arvin High School students, 27 Bakersfield area juniors and seniors were



COMES A LONG WAY — Amy Castillo is a summer clerical employee working her first summer in NWC's Public Works Department. Here, she checks the fuel level in one of the Transportation Division's fuel storage tanks. Miss Castillo, a student from the Pensacola Christian College in Pensacola, Fla., is majoring in nursing and expects to return there in the fall. Her parents live at Lake Isabella.

selected to participate in a Comprehensive Employment and Training Act (CETA) sponsored residential program at the Naval Weapons Center this summer.

The ten-week summer program will run through August 24. The CETA supervisors report that students in the first CETA program held at China Lake are really enjoying the work experience they are getting here this summer.

"It has been a fantastic experience for them since there is no place in the Bakersfield area that offers the environment of a technical federal laboratory," stated Ben A. McCoy one of the CETA counselors.

McCoy went on to say that because of the new program here, the CETA young people from 16 to 21 years of age have been exposed to people from other walks of life and, by being put into meaningful jobs, their self-esteem has grown.

When the program started in June about 30 positions were identified that would offer students training and at the same time



LABORATORY EXPERIMENT — Michelle Greenwood, a CETA employee, working with Dr. Arnold Adicoff, head of the Polymer Science Branch in the Chemistry Division of NWC's Research Department, experiments with a resin compound which is being used by China Lake scientists to develop a mat surface that can be used as roadways for trucks or a landing strip for aircraft.

benefit the Center. These positions were in a variety of skilled professions, including police, science, telemetry, aviation ground control, and chemistry.

Joe Lopez, NWC Hispanic Employment Program Coordinator, led a committee that surveyed supervisors to identify areas in which students could be trained.

"We wanted to be sure that every summer job would provide meaningful work," Lopez said. "I feel we have obtained a good supervisor match to the students, along with a good job match."

CETA funds pay wages

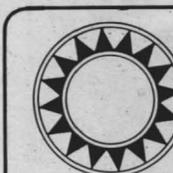
The jobs being filled by the CETA employees are not jobs that would have been offered anyone else. CETA money pays the wages of students working in the program at China Lake, although NWC has assumed the responsibility of providing the work sites and housing at no cost to the students.

The students are bused from Bakersfield to China Lake every Monday morning, then return to Bakersfield by bus on Friday afternoons. During the week they reside in the NWC transient barracks with the young women in one wing and the young men in another. The Navy also furnishes meals for the students in the Enlisted Dining Facility at minimum cost, paid by CETA funds.

Lopez said the summer CETA program was offered this year as part of the Center's Equal Employment Opportunity Outreach Program. "Both the students and the Center have benefited from this program, so I look forward to repeating it again next year," he said.

A number of the students are already planning to become permanent employees here. Others plan to return next summer as part of the CETA program.

"We expect the CETA summer program to have long range benefits to NWC. Some of these students will probably become cooperative education employees here and a few who plan to enter or continue college may be employed here in years to come as junior professionals," Lopez concluded.



National Hispanic Heritage Week will be observed at NWC Sept. 10 through 16, the theme for the week will be "Hispanics — A Part of Our American Heritage." In honor of the event, the ROCKETEER will publish a short biography of a noted historical personality weekly until the celebration.

National Hispanic Heritage Week

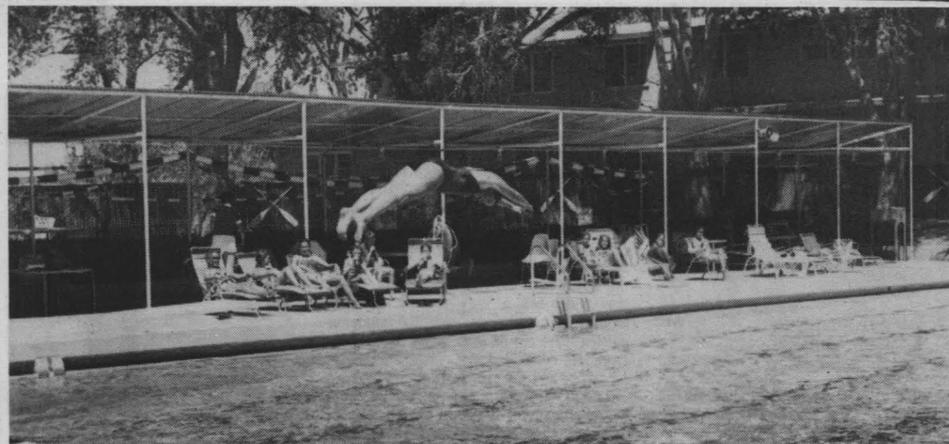
Bernardo de Galvez (1746-1786)

Bernardo de Galvez was appointed Governor and Intendant of Spanish Louisiana (which included Louisiana and Florida) by a Royal Decree of July 10, 1776.

When the war broke out between England and the American colonies, he did all he could to weaken the British by supplying the American frontiersmen with arms and

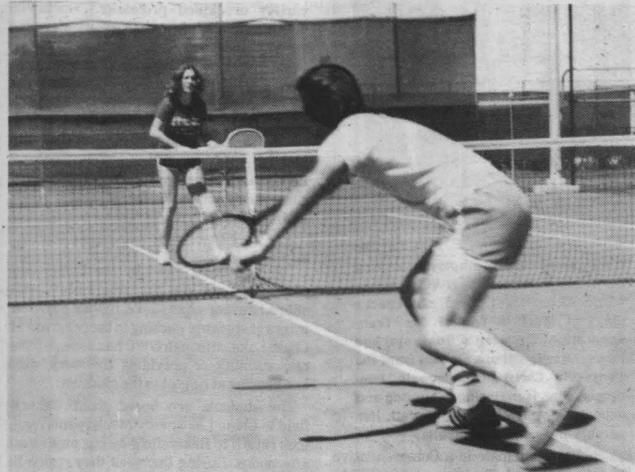
seizing British ships. In 1774 he and his men took Baton Rouge, Manchac, and Natchez, and in 1780 he took Mobile. In the most famous episode of his career, he took Pensacola in 1781. The assault ended with an explosion of a powder magazine that opened a breach in the fortifications, compelling the British garrison to surrender.

File applications for the above with Bonnie Owens, Bldg. 34, Rm. 204, Ph. 2577.



SPLASH! — Audrey Bailey speeds her trip down the length of the COM pool with a racing dive off the diving board. The three outdoor pools under the cognizance of Code 089 get heavy use in summer both by those who swim as a method of conditioning and those who just like to play in the water to cool off. The indoor pool in the Center gym is open all year for serious swimmers and

splashers alike. Learn to swim classes for all age levels from tiny tots to adults are held regularly winter and summer. Another popular Special Services' class held at the indoor pool in winter and outdoors in summer is the water exercise class designed for physical conditioning.



LOVE THAT GAME — The six tennis courts back of the Center theater have heavy use from sunup until evening throughout the year. Pat Prockish and Carter Holladay brave mid-afternoon heat to get a practice game in, but many players wait until the sun has dropped. The courts are lighted until 8 p.m. in the winter and until 10 at night in the warm weather.



FOLDERS OUT — D'Laine Brannan, who is secretary both for the Community Center and the Youth Center, puts out folders describing recreational facilities in Southern California for which reduced price tickets can be obtained at the Community Center.

Story by
Mickey Strang
Photos by
Ron Allen



TEE FOR TWO — Pat Mitchell (l.) and Sue Bates enjoy a round of golf at the 18-hole course maintained by Special Services. Individual and family golf memberships total more than 300 currently, and openings still exist for area golfers. The occasional player may also use the course by paying a greens fee. Recycled water from the pond area ensures that the greens are indeed green all year, and a staff of 3 full time and 8 intermittent employees maintain the course.

Special Services Division

Something for everyone at Weapons Center

Participation is the watchword of the Special Services Division (Code 089) of the Office of Finance and Management.

And with the assortment of recreation programs, activities and the clubs and messes that Code 089 sponsors, there's something for everyone at China Lake.

"The productivity of all workers, military and civilian, is much higher when participatory activities are available," says Joe Mauro, head of Code 089. "And so, for that matter, is their health and their morale."

The success of Code 089's goal of participation is shown by the number of NWC personnel and their dependents who use the facilities made available by the Center.

The bowling center — Hall Memorial Lanes — is probably the most heavily used of all the recreational facilities, according to Bob Huey, head of the Recreation Branch (Code 0891). An average of 2,000 individuals annually take part in both league and individual bowling there.

The swimming pools are nearly as popular. Summer memberships in the two club pools and the indoor pool totaled 1,556, with 320 holding a year-round membership in the indoor pool. This pool receives especially heavy use daily during the noon hour; "laps" rather than lunch keep many Centerites trim and healthy.

The heaviest participation in a major team sport is in slow pitch softball, with 782 players this past summer. Basketball, volleyball, tennis, racketball, and other sports sponsored through Code 0891 all have their very active enthusiasts.

18 hole golf course

The Center has its own 18-hole championship golf course with 300 single and family memberships. A snack bar caters to hungry sportsmen, and a chipping green permits practice to upgrade a player's game. The course is open for intermittent players or visitors who pay the greens fees. The problem of keeping the course green here in the desert has been solved by using the recycled water from the pond area.

The Center gymnasium has a sauna, weight room and other equipment for those who are interested in body-building. The gym is now open every day for all participants. Special women's exercise classes are held on Monday nights. An exercise class is held in a side room of the gym and a swimming exercise class is held in the pool.

After these classes the weight room and one racketball court are reserved for one hour

of exclusive use by women from 8 to 9 p.m.

The youngsters of the community aren't omitted either. Nearly 500 dependents of Centerites are members of the Youth Center. Youth activities include active sports such as basketball, soccer, fishing trips, special contests, a game room, and even a skating rink.

Other features of the Community Center include the tour information center, discount tickets for Southern California sports and entertainment events, and various displays and shows. Local clubs and activity groups may rent rooms at the Community Center for a nominal fee.

Also part of the recreation program are the hobby shops at the Center. The ceramics, woodworking, and general hobby shops are open to all Center personnel. Regular classes are sponsored which provide assistance to members who may need help with a personal project. The automotive hobby shop is limited to military personnel only.

Equipment rented to campers

A camping equipment room rents various sports equipment at low cost for campers, backpackers, and fishermen. Equipment available ranges from lanterns and backpacks to tent-trailers and boats.

The other main activity of Code 089 is the operation of clubs and messes. The three clubs are the Commissioned Officers' Mess (Open), the Chief Petty Officers' Mess, and the Enlisted Mess.

Clubs and messes are open at lunch time to everyone on the Center, serving hot lunches as well as sandwiches and salads. A consistent effort is being made to provide not only excellent food but a variety of menu choices for diners. A weekly "Happy Hour" is scheduled at both the COMO and the CPO to provide an opportunity for get-togethers, with free hors d'oeuvres featured.

A special bonus for COMO members is now being offered. Club members will find a \$3 bonus coupon under their address label on the "After Hours" bulletin mailed to them monthly. This bonus may be applied to either food or beverage purchases at any time other than membership night and special events.

Membership in the COMO is approximately 610 civilians and 90 military officers. COMO membership is open to all NWC employees who are GS-9 or above, and to junior professionals.

CPO Club membership currently stands at 60 active duty military, 300 retired

military, and 175 civilians. Membership in the Enlisted Mess is 375 military and 40 civilians.

The Consolidated Package Store which sells beverages and snacks is open from 10 a.m. until 5:30 p.m. Mondays through Fridays and Saturdays from 10 a.m. until 4 in the afternoon. Use of the Package Store is restricted to active duty and retired military personnel and their dependents.

The work force employed by Code 089 may hit as high as 160 during the summer. Of these only the supervisors, club and mess managers, and part of the financial staff (a total of 12 people) are Civil Service.

The remainder are paid from non-appropriated funds, meaning funds not appropriated by Congress. Financially, recreational activities must be 70 percent self supporting. The remaining 30 percent is supplemented by Navy Exchange profits administered by the Naval Military Personnel Command (formerly the Bureau of Naval Personnel).

The finances of running such an involved operation are complicated.

The Naval Facilities Engineering Command, for instance, provides funding for equipment such as refrigerators, stoves, tables, and chairs for Code 089.

The Navy Military Personnel Command

will fund recreational equipment for Code 089 as "line items" on a budget, meaning that the money must be spent precisely for the purpose for which it was requested. The Employee Services Board used to be a major source of funds before Fazio's Market moved from China Lake to Ridgecrest; currently ESB has no money to contribute.

Half of the profits from local Navy Exchange operations go to the NMPC and the rest are transferred to the local Recreation Fund.

Collateral equipment money which is allocated to the Center for expenditures in excess of \$1,000 can also be used for limited Special Services equipment needs.

And last, but definitely a vital part of the whole financial picture, come the fees, charges, and resale income from the various facilities and activities. This latter source of operational income, of course, is totally non-appropriated funding.

The accounting and bookkeeping for this varied collection of funding sources could be harrowing — 6 sets of books need to be kept — but, according to Dennis Rowell, who heads the Financial Operations Section (Code 08902) of Special Services, "the people in Washington are really helpful in updating the system and making it more useful." A central system for Navy recreational activities was computerized and set up by Washington in December 1964, and the clubs and messes went on a central accounting system in February 1972. The recreation financial system was updated in 1976 to provide field activities with better financial information.



PULLING YOUR OWN WEIGHT — A multi-station Universal weight machine provides the opportunity for those who are interested in muscle building to work out. Dean Manher works out regularly on the machine, which is located in the Center gym.