

Mercury hits season's high 112 deg. Aug. 1

Any impressions local area residents may have gathered that this has been an especially warm summer are well founded. According to information obtained from personnel assigned to the Naval Weather Service Environmental Detachment at the Naval Weapons Center airfield, there were only four days of less than 100 degree maximum temperatures during the month of July.

In addition, the past month ended with two consecutive days when the mercury climbed to 109, and Monday, Aug. 1, was another sizzler as the temperature hit a high of 112.

John Gibson, a civilian employed here by the Naval Weather Service Command for the past four years, and a retired Navy veteran of 25 years, and a retired Navy weather service, reports that this past month was the hottest July on record since he began his civilian employment at China Lake. He also had served here previously while on active duty in the Navy.

The past weekend's hot weather which continued on Monday was the result, Gibson said, of a weather system high over the southwestern part of the U.S. that caused the air to become stagnant.

Cooler Weather Forecast

By Tuesday morning, the forecast was that this weather system would begin slowly to drift eastward, thus bringing about a return of the normal southwest flow of air and a lowering of temperatures.

An unusual phenomena, observed shortly before 5:30 p.m. Monday, was a down draft from a thunder shower that swept across a portion of the local area. The path of this down draft, which was lacking in the moisture content of a typical thunder shower accompanied by thunder and lightning, was marked by a dust cloud that picked up paper and other debris and sent it swirling aloft to a height of 100 to 200 ft.

Monday's extremely hot weather placed an unusually high demand on the services of the 11 refrigeration mechanics assigned to the Public Works Department's Air Conditioning and Heating Shop.

J. M. Choate, foreman of air conditioning in Code 26433, reported that his men were doing their best to keep on top of everything, and were "running fast and furious" to keep up with work requests for servicing and repairing refrigerated air conditioning units located in many of the offices on the Center.



KEEPING COOL — The swimming pool at the Commissioned Officers' Mess was one of the places sought out by China Lakers trying to beat the heat of the 112 degree maximum temperature this past Monday. Most local area residents preferred just staying indoors, if it was possible to do so, since the COM swimming pool wasn't overcrowded despite the hot weather. —Photo by Ron Allen

Transpacific Yacht Race entrant to sail craft home from Honolulu

A trip by sailboat, but not another yacht race, is coming up for Ruel Cameron, a budget analyst in the Reports and Analysis Branch of the Office of Finance and Management.

At the present time, Cameron is preparing to leave next Wednesday for Honolulu, Hawaii, where his 36 ft. Columbia class sloop "Tahuna" is undergoing repairs following its participation in the Transpacific Yacht Race, which began on July 2 off Pt. Fermin (near San Pedro).

Cameron and his 5-man crew, which included two other Centerites — Charles Dye, head of the Aircraft Armament Division in the Systems Development Department, and Tom Gerrard, who is an administrative officer in the Laser/Infrared Systems Division of Code 31 — found the going difficult in the San Pedro to Honolulu event and were the last boat to cross the finish line, which they did on Sunday, July 17.

On the seventh day out of San Pedro, after having covered nearly 1,200 miles (half-way), the Tahuna and other sailing craft entered in the Transpacific Yacht Race ran into bad weather.

High winds blew out the spinnaker sails, and some sail spreaders were broken off at the mast. For five days, the Tahuna

traveled along with only its main sail spread to catch the wind since he was afraid, Cameron said, that the remaining spreaders wouldn't hold the pressure of any additional sails.

While it had been anticipated originally that the Tahuna would vie in a yacht race from Oahu to San Francisco on its return to the mainland, this race was called off due to lack of entries from among the storm-damaged boats that took part in the San Pedro to Honolulu event.

Two of the crew members — Guy Wroble from Roseburg, Ore., and Chris Benigno from Irving, Tex., — have remained aboard the Tahuna during its layover at Honolulu since the conclusion of the Transpacific Yacht Race, and will join Cameron on the return trip.

The boat's owner, skipper and navigator also hopes to find one or two more crew members before starting out Aug. 13 on the return trip to the Tahuna's home port of Long Beach.

Going over, Cameron noted, the Tahuna and her crew covered 2,340 miles, but he expects (due to the currents and winds that will make it necessary to head some distance north) to have to cover nearly 2,700 miles on the return voyage, which should take about three weeks to complete.

Ballet Arts Theatre registers new students

Registration of new students by Bette Jacks' Ballet Arts Theatre (BAT) is being held throughout the month of August.

Sign-ups are being conducted Mondays through Thursdays from 3 to 5 p.m. at 303 Blue Ridge Rd., China Lake.

Openings exist in all age groups (children, adults and professionals). Students will be taught classical ballet and development of coordination, grace and poise.

In addition, Ballet Arts Theatre is offering courses in Creative Dance Expression, which are designed to teach each student to express his or her own

imagination through movement.

Instruction is directed by Bette Jacks, whose background includes training and teaching credentials from the ballet master of the Ballet Russe de Monte Carlo, the director of American Ballet Theatre, and the dance director of Arizona State University at Tempe. She has been commended as one of the nation's best teachers by the Master Dance Teachers of America.

Also on BAT's faculty is dancer and choreographer Terrie Jacks, whose professional credits include the Philadelphia Lyric Opera, American Ballet Theatre and Ballet Russe de Monte Carlo.

Archaeological film scheduled by museum

Continuing a tradition of offering the community free summertime educational films, the Maturango Museum has arranged to show an archeological film from the University of California Extension Media Center at 7:30 p.m. next Thursday, Aug. 11, at the Burroughs High School lecture center.

Entitled "The Big Dig," this 54-minute film shows an important archeological excavation at the ancient Palestinian mound of Tel Gezer. The film should be of

particular interest to friends of the museum because of an upcoming display now in preparation at the museum that will show some local archeological finds.

Winner of several awards, "The Big Dig" explains the principles of modern archaeological methodology in the field and describes the roles of the participating anthropologists, historians, geologists, and ceramics experts, as well as of the students who volunteered to work for six-week stints on this important project.

SHOWBOAT

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

(G) - ALL AGES ADMITTED
General Audiences
(PG) - ALL AGES ADMITTED
Parental Guidance Suggested
(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian
CS - Cinemascope
STD - Standard Movie Screen
Regular starting time—7:30 p.m.
Program subject to change without notice — please check marquee.

FRI. 5 AUGUST
"THE RETURN OF THE TALL BLONDE MAN WITH ONE BLACK SHOE" (81 Min.)

Pierre Richard, Mierle Darc
(Satire) Tall, blonde violinist Pierre has been mistaken for a master spy. This film traces the bumbling mishaps of the innocent victim as he has a go-around with devious government officials and agents. (PG)

SAT. 6 AUGUST
Free Matinee
"OKLAHOMA BADLANDS"
1:30 p.m.

SAT. 6 AUGUST
"THE SHOOTIST" (99 Min.)
John Wayne, Lauren Bacall

Western Drama) In 1961, an aging gunfighter (John Wayne) rides into Carson City to be examined by his old doctor friend. The diagnosis is cancer with certain death in a short time. He checks quietly into the lodging home of Bacall, but his identity is soon revealed. Bacall's son is thrilled, but many hold a grudge and the mayor is upset to have such a man in his town. The gun-fighter's enemies gather in a saloon to meet him in a gunfight. After killing them, he is wounded by the bartender. (PG)

MON. 8 AUGUST
"AIRPORT 77" (114 Min.)
Jack Lemmon, James Stewart

(Adventure Drama) First released in March 1977, this is the third in a series of "Airport" drama inspired by Arthur Hailey's book. A pilot (Lemmon) is selected by his employer (Stewart) to fly a small group of art collectors and critics to the inauguration of his new museum collection in Palm Springs. The plane soon runs into trouble as three men seize control to hijack the paintings. Somewhere over the Bermuda Triangle, the plane crashes and the Navy is called in to salvage the plane and free the passengers trapped under the sea. (PG)

WED. 10 AUGUST
Matinee
"TALES OF WASHINGTON IRVING"
1:30 p.m.

(Adventure) Early America was never as vividly, humorously and lovingly portrayed as in the immortal stories of Washington Irving. Beautiful color and animation bring some of his favorite places and people back to life in this joyous film version. Ichabod Crane and Rip Van Winkle are among the residents of the Dutch settlement in the Hudson River Valley where Irving's tales are set. (G)

WED. 10 AUGUST
"THE GREAT TEXAS DYNAMITE CHASE"
(89 Min.)
Claudia Jennings, Jocelyn Jones

(Action Drama) An August 1976 release, this film concerns two girls — Claudia who has just escaped from a county prison and Jocelyn who is a fired bank teller — who team up and go on a bank robbing spree with dynamite as their weapon. During a store holdup they capture a hostage who enjoys their company and continues to pose as their hostage at each bank job. Luck finally runs out at a secluded motel hideout when their make-believe hostage is gunned down. However, the girls evade the police by dynamiting their car. (R)

Free steak dinners offered

Due to operational reasons, the Commissioned Officers' Mess will be offering its free monthly steak dinners for paid up members only on Tuesday, Wednesday and Thursday nights. For further information, contact the COM by calling 446-2549.

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Naval Weapons Center
China Lake
California

August 5, 1977

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NWC one of four Navy labs to undergo RIF

Capt. Frederic H. M. Kinley, Naval Weapons Center Commander, has been advised through information received from the Department of the Navy's Chief of Information, that NWC is one of four naval laboratories authorized to conduct a major reduction-in-force (RIF) this fiscal year. The RIF authorization, which was received this past Tuesday, includes NWC, the Naval Surface Weapons Center, Dahlgren, Va., the Naval Air Development Center, Warminster, Pa., and the Naval Underwater Systems Center, Newport, R.I.

The RIF is in connection with an overall civilian employee decrease for the four laboratories of 1,074 Civil Service positions. In announcing this action, it was noted that the drawdown on billet ceiling is attributable to eight separate personnel ceiling reductions directed by the Congress, Department of Defense or the Navy Department.

NWC Ceiling Set at 4,069

The Naval Weapons Center's Fiscal Year 1977 ceiling is 4,069. This number, which was assigned by the Chief of Naval Material on Nov. 22, 1976, represents a decrease of 306 billets from the previous authorized ceiling allocation. In planning for this decrease late last year, it was determined that NWC would accomplish one half of the billet reduction through normal attrition and the other half through reduction in force, with the latter action necessary in order to ensure a balanced mix in the workforce skills while meeting the year-end ceiling on Sept. 30, 1977.

The Naval Weapons Center will be at or below its full time permanent employee ceiling shortly. However, a RIF will still be required. Because of the unexpectedly long time period involved in obtaining RIF authority, and the complete hiring freeze

imposed since Feb. 28, 1977, it is still necessary to conduct a reduction in force at this time in order to:

- Realign and streamline the organization as a result of the decrease in ceiling.
- Balance the skill mix of the workforce.
- Hire critical skills not now available in the workforce.
- Achieve a more appropriate supervisory/non-supervisory personnel ratio.
- Consolidate some high-level positions to meet high grade controls mandated by higher authority.
- Comply more fully with requirements of the Navy's position management program.

Up to 153 Jobs To Be Cut
It is planned that the total number of positions to be abolished, up to a maximum of 153, will be determined by Aug. 19. For the next two weeks, Center Management will be working on the identification of specific positions to be abolished and other restructuring action in order to achieve the personnel goals outlined above.

As soon as the number of affected positions is determined, all Center employees will be notified. Employees whose positions are scheduled for abolishment will be directly notified by their supervisors. It is anticipated that RIF notices will be delivered by Sept. 15 to all employees affected by the RIF. Employees will be given a minimum of 60 days notice. Outplacement efforts and personnel counseling will be made available to all affected employees by the Personnel Department staff.

All employees will be kept informed by the Command of the status of the RIF as it progresses. Capt. Kinley has stated that every effort will be made to minimize separation consistent with the need to meet Naval Weapons Center mission requirements.

Famous retired Air Force general visits China Lake

General Curtis E. LeMay, USAF (Ret.), former Air Force Chief of Staff who now makes his home in Newport Beach, Calif., visited the Naval Weapons Center last week.

While here, General LeMay received briefings on a number of the weapons systems and programs that are in various stages of development at NWC.

The distinguished visitor's career in the Air Force was highlighted by many significant achievements that earned him

national and international prominence. During World War II, he commanded Air Force B-29 bomber units in both the European and Pacific theaters of operation.

When the war was over, he gained international recognition as director of the Berlin Airlift in his capacity as the Commander in Chief of the Strategic Air Command (SAC).

While head of SAC, a post which he held for nine years, General LeMay conceived strategic concepts that called for aircrews and aircraft under his command to be on constant alert and ready to respond instantly to any threat of an attack.

Retired as USAF Chief of Staff
For the four years from 1957 until 1961, General LeMay was the Air Force Vice Chief of Staff and completed a distinguished career of 37 years of military service by serving as the Air Force Chief of Staff until his retirement in January 1965.

Lt. Col. James R. Gibbons, Air Force Liaison Officer assigned to the Naval Weapons Center, acted as General LeMay's host during his two-day visit. Highlights of his stay here included a talk with Capt. Frederic H. M. Kinley, NWC Commander, and a dinner at the Commissioned Officers' Mess.

In attendance at the latter affair, in addition to Capt. and Mrs. Kinley, were Robert M. Hillyer, acting NWC Technical Director, and Mrs. Hillyer; Dr. G. L. Hollingsworth, former Technical Director;



DISTINGUISHED VISITOR WELCOMED — As a memento of his visit last week to the Naval Weapons Center, General Curtis E. LeMay, USAF (Ret.), received an NWC plaque that was presented by Capt. Frederic H. M. Kinley, NWC Commander. General LeMay became famous during World War II as a commander of B-29 bomber units, and (in the postwar years) commanded the Strategic Air Command for nine years before serving as Air Force Vice Chief of Staff, and during the last four years of his 37-year military career was the Air Force Chief of Staff. —Photo by Sam Wyatt



TO APPEAR IN CONCERT — Famed singer Ray Charles and his troupe of 30 entertainers will perform at the Center Theater on Sept. 22 at 6:30 and 9 p.m. There are no reserved seats, and tickets for either performance, at a cost of \$4 each, are on sale now at the Community Center, Commissioned Officers' Mess, Chief Petty Officers' Club, The Shuttle, Hall Memorial Lanes, China Lake golf course pro shop and at the Special Services Division office in Bennington Plaza. They are also available at the Gift Mart, Baker Brothers' Furniture Store and Deboni's Ice Cream Parlor, all in Ridgcrest, and at the Inyokern Market in Inyokern.



EDUCATION SELF-DEVELOPMENT HONORED — Joseph Mosko (at left) and Sue Gardner Peake recently received "Honorable Mention for Accomplishment in Self-Development" award certificates from NWC Commander Capt. F. H. M. Kinley. The certificates were awarded by the College Federal Council for Southern California to honor the personal growth, professional advancement and mission accomplishment of public employees abetted by the employee's participation in a recognized program of postsecondary education. Mosko, a Center employee since 1959, is an electronics engineer currently serving as a microwave component consultant in the RF Division of the Electronic Warfare Department. Mrs. Peake is the administrative officer for both the Aeromechanics Division and the Systems Effectiveness Division of the Systems Development Department.

Lt. Larry 'Bud' Gorans reports for duty at Aircraft Department

Lt. Larry "Bud" Gorans has recently reported aboard the Naval Weapons Center to become the Aircraft Department's aircraft maintenance material control officer. The new Centerite's previous assignment was with Fleet Air Reconnaissance Squadron 3, on the Island of Guam, where he served as assistant maintenance officer, and more recently as the projects officer,

over the course of 32 months. A native of Bemidji, Minn., Lt. Gorans is a 20-year Navy veteran. He rose through the ranks to become a chief petty officer in jet engine mechanics before attending officers' indoctrination school in 1968 and emerging as a warrant officer. He was commissioned a limited duty officer LtJg. in 1971.

Lt. Gorans received an AA degree from West Hills College in Coalinga, Calif., in 1974, earned while serving as officer-in-charge of the Naval Aviation Engineering Service Unit Detachment at Naval Air Station, Lemoore.

He and his wife, Jeanne, live in Navy housing with their three sons: Jerry, 15, Gary, 14, and Matthew Aaron, 2. The family's hobby is working on their 10-acre "fun" farm in Lemoore.

AFGE meeting slated Mon.

Members of Local 1781 of the American Federation of Government Employees will hold their next monthly meeting on Monday, beginning at 7 p.m., at 65-B Halsey Ave., China Lake.

Local 1781 is the representative of a unit composed of non-supervisory civilian employees of the Safety and Security Department's Police Division at China Lake.



Lt. Larry Gorans

The Rocketeer

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China Lake, California
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R.M. Hillier
Acting Technical Director
Dr. Robert H. Pearson

Head,
Technical Information Department
Don R. Yockey
Editor
Jim Stansell
Associate Editor

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Editorial Assistant
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DEADLINES Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m.
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Phones 3354, 3355, 2347



Promotional opportunities

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

Clerk, GS-301-4, PD No. 7409021N, Code 091 — This position is located in the Employee Management Relations Division of the Personnel Department. This position provides clerical support such as filing, limited typing, etc., for the Information Center; maintains personnel jackets and regulatory material; and provides personnel information to those who have a legitimate need to know. This position has no promotion potential. **Job Relevant Criteria:** Ability to work rapidly and accurately; reliability and dependability; telephone answering skills and receptionist abilities.

Supervisor General Engineer, GS-801-12/13, PD No. 7761004E, Code 6123 — This position is that of head, Instrumentation / Avionics Branch, Aircraft Support Division, Aircraft Department. Duties are to provide technical direction to branch personnel in the areas of design, development, fabrication, installation and operation of airborne equipment and systems for all types of aircraft. In addition to technical planning, controlling and reporting, there are requirements for branch management and administration. **Job Relevant Criteria:** extensive experience in aircraft systems instrumentation, modification and operation; knowledge of Navy avionics systems maintenance; familiarity with T&E budget process and NWC management and fiscal policies and ability to supervise.

File applications for the above with Carol Downard, Bldg. 34, Rm. 208, Ph. 2577.

Quality Inspection Specialist, GS-1960-5/6/7, PD No. 7626039N, Code 2482 — This position is located in the Maintenance Service Branch of the Public Works Department. This branch insures optimum completion of all maintenance and purchase service contracts as well as all special inspection surveys of Center facilities. The incumbent is responsible for specifications, inspections, and certification for payment on selected service contracts for facility upkeep; conducting special reviews in support of NWC housing facilities, fine / safety surveys, and other facility conditions with respect to building codes and Navy instructions. **Job Relevant Criteria:** knowledge of defense contracting procedures and regulations to be administered; ability to apply good judgment in analyzing work to be accomplished by contractors and to negotiate with and direct contractors in the field.

Mechanical, Electrical, Industrial Engineer, GS-830 / 850 / 896-11 / 12, PD No. 7570003, Code 26307 — This position is located in the Engineering Division of the Public Works Department. As the head of the Energy Conservation Division, the incumbent is responsible for overall coordination for the NWC Energy Conservation Program, identifies and monitors energy usage, develops improvement projects, and determines the cost effectiveness for the energy conservation improvements. As technical advisor to the department, conducts briefings and designs reviews to provide information and develop local standards. **Job Relevant Criteria:** knowledge of engineering principles related to utilities systems; knowledge of conservation of energy through effective use of building materials and design; ability to independently administer an engineering program of this type; skill in dealing with high-level military and civilian managers.

Clerk-Typist, GS-322-3/4, PD No. 7470030-2, Code 2683 — This position is located in Public Works Department, Maintenance Control Division, Work Input Control Branch. The primary duties of this position include all typing and clerical duties, work reception and input, maintenance and control of all work requests, upkeep of numerous files, and the publication of various management reports. **Job Relevant Criteria:** Ability to type efficiently and accurately; ability to work independently; ability to use judgment and tact for telephone and personal contacts; and skill in clerical duties.

Clerk (Typing), GS-301-4, PD No. 7725010, Code 247 — This position is located in the Transportation Division, Public Works Department. The incumbent provides clerical duties to the division such as screening and routing mail, scheduling conferences, acting as receptionist, maintaining files, and typing forms. **Job Relevant Criteria:** Reliability and dependability; ability to get along with others in the work group; to operate general office equipment; and to use tact and judgment in personal and telephone contacts.

Crane Operator, WG-5725-11, JD No. 187-2, Code 26784 — This position is located in the Hoisting Section, Operations Branch, Transportation Division, Public Works Department. The incumbent operates and maintains electrical, gasoline, and diesel-powered wheeled or crawler type cranes, power shovels and cranes; stationary winches and railroad locomotives. The crane operator hoists and swings materials, such as armor plate targets and barricades, machinery, buildings, concrete, special launchers, missiles; camera towers, and communication poles and towers; and equipment and personnel with cranes up to 165 ft. heights. The incumbent also digs and loads dump trucks for construction, digs out and cleans drainage ditches, and lubes and oils equipment as required. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; ability to perform operational maintenance, reliability and dependability; ability to interpret instructions, specifications, etc.; ability to operate safely.

Shop Planner (General), WD-6701-5, JD No. 554, Code 26403 — This position is located in the Scheduling Branch, Maintenance-Utilities Division, Public Works Department. The incumbent will plan for the Power and Communications Section and the General Structures and Walks Section, process all shop orders and job orders for shops, orders equipment, write orders for prefabrication by other shops, keep a record of all jobs not requiring the shop supervisor's personal attention and make daily progress reports to the maintenance scheduler. **Job Relevant Criteria:** knowledge of trade and associated technical practices; ability to meet deadlines under pressure; ingenuity (ability to suggest and apply new methods); ability to communicate (skill in written and oral expression); ability to plan, estimate, progress, and schedule production; ability to deal with others. This ad is being rerun to insert information inadvertently omitted in the July 8, 1977, issue of the ROCKETEER. Previous applicants need not reapply.

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

Secretary, GS-318, PD No. 7708080N, GS-4/5, Code 08A — This position is secretary to the deputy head, Office of Finance and Management. The incumbent is responsible for providing administrative / clerical support to the supervisor; maintaining calendar, files, etc.; reviewing and directing incoming mail to the appropriate official; preparing routine correspondence; scheduling meetings and conferences; arranging travel. **Job Relevant Criteria:** Must be familiar with Navy correspondence format and files; have ability to meet deadlines under pressure; have knowledge of Center organization and policies; and have ability to deal with personnel at all levels of management. Previous applicants need not reapply.

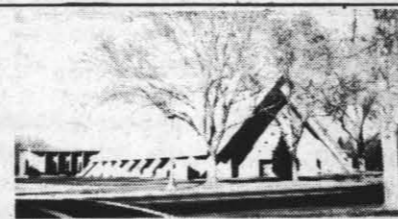
Voucher Examiner, GS-5403/4/5, PD No. 7408041, Code 0865 — This position is located in the Financial Operations Division, Office of Finance and Management. Incumbent is responsible for the preparation and/or typing of vouchers for settlement of travel claims for military and civilian personnel; reviews and determines eligibility for payment of expenses on travel claims presented for payment; aids claimant in preparation of itineraries. **Job Relevant Criteria:** ability to type desirable; ability to work rapidly and accurately; to research and interpret manuals and guidelines and to deal tactfully with people.

Resource Analyst, GS-301-11 / 12, PD No. 7708030, Code 081 — This position is located in the Systems Cost Analysis Branch, Weapons Systems Cost Analysis Division, Office of Finance and Management. Incumbent provides expertise in the estimation of life cycle resources requirements of complex weapon systems; determines the depth and availability of technical descriptions of / or specifications for the assigned system; develops a consistent data base through a comprehensive analysis of cost and performance data for a wide variety of similar systems; estimates the resource requirements in terms of dollar cost for complex Navy tactical missile weapon systems being prepared for possible or eventual introduction into the Fleet. **Job Relevant Criteria:** experience in life cycle cost analysis, production, procurement, management analysis, operations research, planning, and / or programming functions; knowledge of mathematical and / or statistical techniques in deriving cost estimates. Previous applicants need not reapply.

File applications for the above with Tina Rockdale, Bldg. 34, Rm. 206, Ph. 2474.

Model Maker Foreman, WS-4714-14, JD No. 7734097E, Code 24471 — Position is that of head, Sheetmetal Section, Mechanical Prototype Branch, Engineering Prototype Division, Engineering Department. Work of this section includes fabricating and manufacturing prototype and experimental models and components, such as rocket motor casing, rocket sleds, air frames, and electronic items, such as chassis, panels and cabinets. Incumbent is responsible for planning work operations, estimating costs, assigning work to subordinates, reviewing work in process and when finished, training subordinates in work methods and procedures. Incumbent is also involved in personnel matters (hire, leave, performance rating.

(Continued on Page 5)



DIVINE SERVICES

PROTESTANT		
Sunday Worship Service		1015
Sunday School — All Ages		0900
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the former Center Restaurant.		
Communion Service first Sunday of the Month.		
ECUMENICAL		
Wednesday Noon Bible Study		1130
Thursday Men's Prayer Breakfast		0630
ROMAN CATHOLIC		
MASS		
Saturday	1700	Fulfills Sunday obligation
Sunday	0700	0830 1130
Nursery, Chapel Annex 1		0815-1245
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 6th grades	1015
Wednesday	K- kindergarten thru sixth	1530
Sunday seventh & eighth (Junior High)		1900
Above classes are held in the Chapel Annexes across from the former Center Restaurant.		
Sunday evening	Ninth thru 12th grades	
As announced	"In Home" Discussion Groups	Youth Rallies
Contact Chaplain's Office for specifics.		
JEWISH SERVICES		
EAST WING — ALL FAITH CHAPEL		
Sabbath Services every Friday		1930
UNITARIANS		
CHAPEL ANNEX 95		
Sunday	Services—(Sept.-May)	1930

Entries accepted for Robinson Memorial Golf Tournament

Entry applications for the second annual Frank D. Robinson Memorial Golf Tournament, which is to be held on Saturday, Aug. 13, at the China Lake golf course, can be picked up now by interested golfers at the local golf course pro shop.

Following a shotgun start at 8 a.m. on Aug. 13, golfers will vie for more than \$1,000 in merchandise awards that will be presented to the winners and top runners-up in this two-man, partner's best ball event. The competition is open to all interested golfers, whether or not they have established Southern California Golf Association (SCGA) handicaps. There will be a Peoria flight for those who do not have SCGA handicaps.

All proceeds from the entry fee of \$50 per team will go into the Frank D. Robinson Memorial Fund, which last year raised approximately \$3,000 for use in the improvement of athletics in Indian Wells Valley.

Top performers in 1976 were the duo of Phil Spranke and Tom Kramer, who finished the 18-hole event with a best ball total of 72 (including handicap), while Curt Bryan and Jim Anderson came in second with a 74.

The Century Football Association of Indian Wells Valley again is sponsoring the Robinson Memorial Golf Tournament, and the co-chairman of this year's event are LCdr. Ed Brooks, Al McDonald and Wayne Claunch.

The entry fee will cover the cost of playing golf, as well as a dinner-dance that will be held at the Chief Petty Officers' Club on the evening of Aug. 13. Awards to the winners in each flight will be presented at this time.

In addition to the 18-hole competition between all of the teams entered in the tourney, there will be a 9-hole horse race match between the 10 low net teams.

Despite drought, big bucks are out there

Back-to-back years of drought have taken their toll on supplies of water and forage in California's early deer hunting season area, but there are some big bucks out there and they will be concentrated for the season opener tomorrow, the California Department of Fish and Game reports.

The early season area extends along the coast and adjacent areas from the northern boundary of Mendocino County southward to the counties of Santa Barbara and Ventura and the northwest corner of Los Angeles County.

Because of tinder-dry conditions in the field, hunters are cautioned to take special care with fire, to watch for special restrictions and to be on the lookout for fire closures.

The early season will continue through Sunday, Sept. 18, with a limit of two bucks, forked-horn or better. Shooting hours are from one-half hour before sunrise to one-half hour after sunset.

Doug's Corner . . .

(Continued from Page 6)

Association or Youth Center cards, or who are active duty military personnel here, are eligible to participate. Entries may be turned in to club officers or to the gymnasium office.

The events are men's doubles, women's doubles and mixed doubles. No person may enter more than two events. First round matches will be posted at the courts by noon on Aug. 12, and the contests may start as early as 7 a.m. on Aug. 13.

Women's softball . . .

(Continued from Page 6)

In the first games of the tournament, a 13-0 victory by the VIPs over T. J. Frisbee enabled the VIPs to qualify for the semifinals against Avant, who got there by virtue of a 15-14 win over CSC.

Employee in the Spotlight



Margaret McDonald

Michael, 25, Richard, 22, Sean, 21, Kelly, 18, Colleen, 17, Kent, 16, to Kevin, 14, have been active and willing helpers around the house. The younger six McDonalds are still at home and each still has an assigned set of duties.

"It's thanks to their being so helpful that State's early deer season opens Sat.; DFG reminds hunters to study '77 tag system

The Department of Fish and Game earlier this week reminded California deer hunters to make certain they understand the tag system before going afield for the opening of the early season on Saturday.

Hunters should review the instructions on their deer tags and in the hunting regulations booklet, the DFG said. Failure to use the right tag after killing a deer could result in the loss of the opportunity to hunt deer in other areas of the state.

Here is a rundown on the three types of deer tags available this year and how to use them:

(1) The general (blue) tag is good for taking one buck only in zones A, B, D or E. Boundaries and seasons for each zone are clearly shown in the hunting regulations booklet, available free wherever hunting licenses are sold.

(2) The option (green) tag may be used either to tag a buck taken only in zones A or B or by a successful applicant for a special deer hunt permit. Successful applicants are required to turn in their option tag along with the \$5 permit fee upon being notified that their names have been drawn for a special hunt.

(3) The zone X (red) tag is valid only for taking one three-point buck in the zone X area in northeastern California. Zone X tags are available only from Fish and Game offices. Persons buying this tag may not purchase a general and option tag, and persons who have already purchased a general and option tag may not obtain a Zone X tag.

Zone X tag holders who are successful in special hunt drawings will not be required to submit an option tag in order to get their special hunt permits.

"Mondays are horrendous!" says Margaret McDonald of Code 98's Mail, Files and Records Branch. "An unbelievable number of sacks of mail come through our office then."

All the command mail, both in and out, is handled by that branch, including the registered, certified, and straight mail. "And guard mail, too," she adds, "as well as having the Center's primary telecopier in our office."

"The work is very interesting and challenging, too, in that it's necessary to know who's got what projects, and to be able to track down who is supposed to get what mail and where people are so that we can re-address the items on which the address is incomplete."

An interesting and challenging job was what Margaret sought when she came to work at China Lake 11 years ago. "We'd just moved up here from San Diego, and it was such a change that I felt it was either go to work or climb the walls," she adds, "and, besides, my kids were old enough then so that they could be a solid help at home."

All eight McDonald children, ranging from Patrick, now 27 and stationed in the Air Force in Germany, down through

I'm able now to go to school at night," says Margaret. "In fact, I've come to expect rewards when I bring home an A. They and my husband Bill have been very encouraging about my working towards a B.A. degree in either sociology or psychology."

When Margaret was graduated from high school in her native town of Ford City, Pa., instead of going to college she joined the Navy "to see what the rest of the world was like." She was stationed at Alameda Naval Air Station when she met and married Bill, who was a career Navy man. Much of her seeing the rest of the world came when she followed him to various duty stations.

During this time she worked briefly for NASA ("I think that was long enough ago so that it was still NACA then") at Wallops Island, Va., and for the Navy at Chincoteague, Va.

"Mainly, though," Margaret says, "my career then was raising kids. Coming to work for the Navy was really the start of a second career."

She and Bill, who is now retired from the Navy and working for NWC's Supply Department, have centered much of their attention on home and home life with their children. "I sew," says she, "but I can't claim gardening as a hobby because all I can raise is a beautiful crop of weeds."

"I'm not much of a joiner, but I did join FEW (Federally Employed Women) when it started here recently, and I think that I will be active in it because I can see that much good can come for both men and women employees through the activities of that group," she adds.

Margaret credits a former division head, Bob McKenzie, with inspiring her to go back to school and start working toward a degree. "I feel like my life has really been opening up as I've been gaining more self confidence in my capabilities as a person separate from being a wife and mother."

And her confidence in her capabilities is well placed according to those who work with her and who know her.

Shuttle books rock band

The popular San Francisco rock band Jabberwocky has been held over another week and will be playing for dances at The Shuttle tonight and tomorrow night from 9 until 1:30.



INVENTIVENESS RECOGNIZED — Dr. E. B. Royce (at far right), head of the Research Department, recently presented patent awards to nine employees in his department. The recipients are: (front row, l.-r.) Dr. Herbert "Dean" Mallory, head of the Detonation Mechanisms Branch; Dr. William P. Norris, acting head of the Organic Chemistry Branch; Dr. Arnold Adicoff, acting head of the Chemistry Division; Dr. Eugene C. Martin, a research chemist in the Polymer Science Branch; Russell Reed, a chemical engineer on detail to the Aerothermochemistry Division; (and back row, l.-r.) Marion L. Scott, a physicist with the Quantum Technology Branch; Jack Prentice, a physicist in the Fundamental Combustion Branch; James L. Jernigan, a physicist with the Quantum Technology Branch; and Joseph H. Johnson, a physical science technician in the Polymer Science Branch. The title of Dr. Mallory's patent was "Sequential Jet Shaped Charge." Dr. Norris and Johnson, along with Dr. Al Gordon, who retired in August 1975 as head of Code 3859, shared in a patent entitled "Fluorinated Compounds." Drs. Adicoff and Martin were the co-inventors of a "Room Temperature Cured Elastomer." The title of Reed's patent was "Castable Gas Generator Propellant"; that of Scott, "A Phase-Locked Laser Gyro"; of Prentice, "Heat Sources for Thermal Batteries: Exothermic Intermetallic Reactions"; while Jernigan developed an "Improved, Chirped Acousto-Optic Q Switch."

NWC South leads in Admiral's Cup play with bowling victory

The Naval Weapons Center South jumped off to the lead in the 1977-78 Admiral's Cup competition with a victory in bowling last week at Hall Memorial Lanes.

The winning team racked up a total of 4,084 pins, compared to the second place showing of VX-5, with 4,031 pins, and the third place effort of NWC North, with 3,627 pins. So, after this, the first Admiral's Cup event of the year, NWC South leads with 5 points, while VX-5 and NWC North have 3 points and 1 point, respectively.

Total pins recorded in this match reflect the combined scores of each team's eight members, all of whom bowled three games, with no handicaps allowed. High game honors were won by AMSI Dan Carlson of NWC North, who bowled a 247, while VX-5's ATCS Ron Williams had a high series total of 612.

The next Admiral's Cup event will be golf, which is slated to be held later this month.

Signups for Youth Soccer League being continued

Registration for the Youth Soccer League will continue through the rest of this month at the NWC Youth Center for players seven years of age through the sixth grade.

Because of the limited amount of playing slots available, early enrollments are encouraged. Tryouts and team assignments have been scheduled for mid-September. Parents who would like to learn to coach or officiate may register by visiting or phoning the Youth Center, NWC ext. 2909. Clinics for these persons will be held in late August or early September.

Next Thursday, Aug. 11, a film of the most recent World Cup Final (between Holland and West Germany) will be shown at the Youth Center between 5 and 7 p.m. while registrations are in progress.

11th ND tourneys set

Information is available at the Center gymnasium on upcoming badminton and horseshoe tournaments slated by the 11th Naval District.

Badminton competition will be held Aug. 29 at the Naval Training Center, San Diego, and will include both singles and doubles events. Entry deadline is Aug. 15.

The horseshoe competition will be held Sept. 6 through 9 at the Naval Air Station, North Island, San Diego.



NEW HOOP COACH — John Boragno, formerly assistant basketball mentor at Fresno State University, has recently been named basketball coach and physical education instructor at Cerro Coso Community College. A native of Sanger, Calif., Boragno earned a B.A. degree from Fresno State in physical education in 1972 and an M.A. degree in that field in 1977. He will join the Cerro Coso faculty for the upcoming fall semester, and tackle the job of trying to improve on the Coyotes' 1976-77 record of 5 wins in 28 games.



TOP KEGLERS — Members of NWC South's winning Admiral's Cup bowling team are (kneeling, l.-r.) PH3 B. J. Beckman, ET1 Robert Humes and AQCS Wayne Baumbach, and (standing, l.-r.) RMCS John Salyers, FTCS Macon Robinson, FTCS Dave Vander Houwen, ATCS Gary Schmidt and ETN2 Tim Caine. Their total of 4,084 pins gave NWC South the early lead in the 1977-78 Admiral's Cup competition. —Photo by PH2 Terry Miles

Desert Meats squad powers way to win in women's intramural tourney

By Bernadette McGraw

It's all over in the Women's Division of the Intramural Softball League this year as a prime Desert Meats squad put together some clutch hitting and pitching to win the Women's Softball Tournament here last week.

The victory was an especially sweet one since Desert Meats finished second in regular season play, losing only to the undefeated champion, Comarco.

The championship game saw Desert Meats lock horns with Avant, and from the game's early innings, there wasn't much doubt about the outcome. Final score was 14-3, as the Desert Meats girls scored three runs in each of the first, second and fourth innings, and five in the third.

Avant, batting against pitcher Karen IWV Youth Football league registration planned tonight, Sat.

Registration for the upcoming Indian Wells Valley Youth Football League season will be held tonight and tomorrow in Ridgecrest and at China Lake.

Registration this evening will be held from 7 until 9 o'clock at the Ridgecrest Bowl. Tomorrow, youngsters may sign up from 10 a.m. to noon at Kelly Field (on the campus of Murray School at China Lake), and again at the Ridgecrest Bowl from 2 to 4 p.m.

In order to be eligible to play in the league, boys must be from 8 to 14 years 9 months of age and weigh no more than 175 lbs., nor may youngsters be attending any grade higher than the eighth.

More information may be obtained by phoning Larry Byrd at 375-2890.

Shacklett's softballers win Men's Slow Pitch crown

By Anita Paiz

Breezing along on the momentum they had gained during their last three victories in the playoffs, the sluggers from Shacklett's chalked up a 21-12 win over Bird Olds on Tuesday night to win the championship of the Intramural League's Men's Slow Pitch Division.

Shacklett's jumped off to an early lead by scoring five runs on five hits in the very first frame. Norm Stevenson singled and Gordie Irvin walked. Next up, Duane Stevenson homered to make it 3-0, and Andy Gilpin followed suit to tack another run onto the total. Then Gerry Caffery singled and came around to score on Tom Chapman's one-bagger.

Bird Olds players reclaimed three of those runs in their half of the inning as Jim Tyrrell hit a homer with a man on base and Max Moffitt singled home Rollin Jones, who had gotten aboard on a walk.

In the second frame, Shacklett's scored

Sorge, managed just six hits, scoring once in the second frame and adding two more in the top of the fifth and final inning.

Leading hitter for the winners was Marion Paisano, who had two hits in three times at bats and drove in one run. Other hot hitters were Liz Martin, Pam McDonald and Sharon Machowski.

Avant's top batters were Linda Patterson, Betty Greedy (who hurled the first three innings) and Charlotte Palmer. Linda Bengston finished up the mound chores for the losers.

Earlier, in the quarterfinals, things looked particularly auspicious for the Brand X girls when they knocked off Comarco by a score of 9-7, thanks mainly to the seven runs they scored in the fifth inning and the strong pitching of Gina La Marca. In the very next game, however, their hopes were blown as they were edged by Desert Meats by a score of 6-5.

Other Tourney Action

In other tourney action, the VIPs fell by a 14-10 score to Avant's power hitting as Betty Greedy slapped four singles and garnered two RBIs and was also the winning pitcher. By the narrow margin of 15-14, Desert Meats defeated Murray Construction to get into the semifinals. The winning run came over in the last half of the seventh inning when Kris Sorge had a hit to send home Pam McDonald.

Murray Construction, in the tournament's fifth game, crushed the Dusty Dames, 18-0. During the draw, Best Realty won the right to play against Desert Meats, but lost the game, 24-8. Brand X reached the semifinals by beating A&K Sparks, 16-13, as Myra Martin hit a three-run homer in the third inning.

(Continued on Page 7)



Doug's Corner

Fast pitch event for women slated here this weekend

Eleven teams are scheduled to compete in China Lake's second annual women's fast pitch softball tournament, which is slated to get underway here tonight and continue through Sunday afternoon.

Out-of-town teams participating will be those from Big Pine, Riverside, Norco, Bakersfield (two), Bishop and Porterville. The local softballers will be Maury's, the Time Outs, Dusty Devils and Creeps.

The tourney opener will begin tonight at 7 at Reardon Field when the Creeps and Maury's tangle. Action will later be going on simultaneously at Schoeffel Field, where at 9, the Eureka Gassers from Big Pine will meet the Bakersfield Hornets.

Play will resume at 9 a.m. Saturday at both Reardon and Schoeffel Fields; the last games of that evening will start at 9 o'clock.

At 9 a.m. on Sunday, the final and semi-final contests will be played at Reardon Field, with the championship game slated to begin at 1 p.m.

4 Sports Organizing

Organizational efforts are now under way locally for four sports: flag football, volleyball, women's basketball and intramural soccer.

A meeting for prospective participants in the NWC Flag Football League will be held on Aug. 15 at 5 p.m. at the Community Center. Rules, awards and officials will be discussed. It is hoped to have at least eight teams this year.

Persons wishing to participate in two-on-two or coed volleyball should contact the gymnasium office, or call Jerry Kissick at NWC ext. 3990.

The gymnasium office is also the contact point for persons interested in starting a women's basketball team.

Lastly, adults who would like to form an intramural soccer league should phone Karl Kauffman at NWC ext. 3665, or the gymnasium office, NWC ext. 2334.

Doubles Tourney Slated

Signups will close at 6 p.m. on Wednesday for the doubles tennis tournament which will be sponsored at the Center courts on Aug. 13 and 14 by the China Lake Tennis Club and the NWC Special Services Division.

All residents of the Indian Wells and Searles Valleys with current NWC Athletic

(Continued on Page 7)

Duane Stevenson (his third of the night). Pitching for the winners were Scott Shacklett and Caffery, while Scott Shumway, Tyrrell and Dave Cornett handled the mound chores for Bird Olds.

The playoffs began on Wednesday night, July 27, between the top two teams of each of the American and National Divisions. On that first evening, NALC pounded Grand Good, 16-9, and Bird Olds handcuffed Shacklett's by a score of 20-11. On Thursday, July 28, it was Shacklett's 22, Grand Good 12, and Bird Olds 16, NALC 12.

Setting up the championship game, Shacklett's last Monday night defeated NALC, 25-13, thus eliminating the latter from further playoff competition. And, in their most crucial game thus far, Shacklett's, the top team in the National Division, also bested Bird Olds — the number two squad in the American Division — and thus handed this team its first loss of the playoffs by a final tally of 14-7.



DIGNITARIES BRIEFED — Laboratory Director (Acting) Dr. M.M. Rogers (at right), recently presented an overview of the Center and Center programs to distinguished visitors from the Pacific Missile Test Center at Pt. Mugu. Shown above are (l. to r.) L.Cdr. Jim Andrews, Airborne Weapons Projects Officer; Capt. Norman Deam, Project Management Group Officer; Capt. Duane DeWitt, Director, Systems Evaluation Directorate; Capt. Harold Lewis, Director, Range Directorate; Cdr. Harold Lewis, Director, Range Directorate; and Cdr. William Cunseen, Associate Systems Technology Officer at PMTC.

Visitors invited to witness 1st NASA space shuttle free flight

The first free flight of the National Aeronautics and Space Administration's (NASA) space shuttle is currently scheduled next Friday, Aug. 12.

Officials of the Air Force Flight Test Center at Edwards Air Force Base and NASA's Hugh L. Dryden Flight Research Center announced earlier this week that car passes will be available for visitors wishing to view the test flight.

These passes may be obtained from the NASA Visitor Information Center, 43713 20th St. West, Lancaster. The visitor center will be open on Tuesday, Wednesday and Thursday, Aug. 9, 10 and 11, from 8 a.m. to 5 p.m., as well as on the flight day beginning at 6 a.m. The telephone number is (805) 948-0721.

These car passes will admit vehicles to public viewing areas on Edwards Air Force

Base. Special signs will mark the directions to these areas. In addition, security policemen will be posted on these routes to direct and assist persons in reaching these areas.

Visitors are encouraged to use the Antelope Valley Freeway and enter Edwards AFB via Rosamond Blvd. The base will open at 3 a.m. on Aug. 12. For departure, visitors are requested to exit via the same route which they entered.

Up-to-date flight scheduling information can be obtained by calling (805) 942-3975. Flight schedules are subject to change, and any changes will be noted in the recorded message those dialing this telephone number will receive.

For further information, contact Dryden Public Affairs by calling (805) 258-8381, or the Edwards AFB Information Office, (805) 277-3510.

Young headed for Naples as NSAP laboratory rep

Robert A. Young, currently coordinator of NWC support to the Navy Science Assistance Program (NSAP) and manager of Fleet Support projects, has recently been assigned to a year-long tour with Carrier Task Force 60 as a NSAP Laboratory Representative.

Young, who will report to Commander, Sixth Fleet in Naples, Italy on Aug. 24, is the third NWC employee now representing the Center in providing assistance to the Fleet through this program.

Jack Russell, head of the Electronic Warfare Department, is assigned as the Science Advisor to the Commander, Seventh Fleet. NSAP Science Advisor to Commander, Naval Air Forces, Atlantic, is Ed Swann, an employee of the Weapons Planning Group.

Through NSAP, Science Advisors and Laboratory Representatives are sent to Fleet commands around the world, where they serve as a valuable link between the Navy laboratories and the operational forces. By utilizing these top civilian technical advisors, the laboratory system accomplishes direct action on urgent problems of the Fleet.

An NWC employee since 1973, Young has been Laboratory Fleet Support Projects Manager in the Fleet Support Office since 1975. In this position, he has managed all aspects of NWC support to NSAP and has served as focal point for the Center's Director of Naval Laboratories Laboratory Fleet Support Projects and the Fleet technology liaison effort.

Young's selection as an NSAP lab rep was based on his background in air systems-

related Fleet support, knowledge of NSAP, familiarity with the Navy R&D community, and demonstrated communications skills. His well-rounded background includes experience at NWC as an operations research analyst in the Weapons Planning Group, as well as previous jobs as a mathematician in the Systems Effectiveness and Assurance Department at the Naval Ship Weapons Systems Engineering Station at Point Hueneme and in the Quality Evaluation Laboratory at the Naval Weapons Station, Concord, Ca.

Young, who holds a Master's degree in statistics from California State University and a Master's in public administration from the University of Southern California,

has been active on the Center's Spanish Speaking Program Committee in addition to his Fleet support duties. He views his new assignment as an opportunity for even closer Fleet-related service, as well as an opportunity to broaden and increase his understanding of naval operations.

During his year abroad, Young will be stationed in Naples but will spend two-thirds of his time with the Fleet. His wife, Sandra, and sons Stuart, 9, and Gordon, 11, will accompany him to Naples.

35th anniversary of WWII WAVES celebrated July 30

Navy women and former Navy women gathered last week in San Francisco to celebrate the 35th anniversary of the World War II WAVES (Women Accepted for Volunteer Emergency Service) program established July 30, 1942.

The highlight of the convention was a keynote address by Rear Admiral Frank McKee, the first woman line admiral, at the birthday banquet luncheon on July 30.

In a letter to the convention, Secretary of the Navy W. Graham Clayton, Jr., extended personal greetings from himself and Mrs. Clayton to the participants saying, "It is one of my personal goals as Secretary of the Navy to see that we make better use of our Navy women. Having had the good judgment to marry a former Wave some 29 years ago, I am glad to have the opportunity to further the role of women in the naval service today."



Robert A. Young

Dr. Gates back after year spent in Sloan Fellows Program at MIT

"Being a Sloan Fellow was a real privilege," says Dr. Allen B. Gates, of the Sidewinder / Chaparral Program Office

just back from a year at the Massachusetts Institute of Technology. "It has really affected my viewpoint and perspective about life in general, not only about management," Dr. Gates added.

The Alfred P. Sloan Fellows Program is designed for a limited number — 54 students this year — of young executives nominated by their employers because of the potential that they've shown for senior management. The year's program leads to an M.S. degree in industrial management.

The program itself varies slightly from year to year because it is tailored to the people chosen for attendance by M.I.T. Fellowship recipients represent American industry and government (federal, state, and local) as well as foreign governments and industry. Dr. Gates was nominated by his department, Code 38, then the Naval Weapons Center, and finally by the Department of the Navy, before becoming eligible for selection by M.I.T.

Highlights of Program Much of the real value of the program consists of exposure to top officials of government agencies and industrial leaders who conduct closed-door, off-the-record seminars with Sloan Fellows not only at M.I.T. itself but also on field trips to New York, Washington, and during a three-week trip to Europe. David Rockefeller, chairman of the board of the Chase-Manhattan Bank; Bert Lance, head of the Office of Management and Budget; and the King of Spain among others conducted seminars for the 1976/77 Sloan Fellows.

Dr. Gates noted with interest that there was a major difference between American businessmen and government leaders and those from Europe in that the Americans were more motivated and dedicated to their work.

One of the real benefits of the program, the NWC employee noted, is in the closeness of the working and social relationships with the other Sloan Fellows and their families. Dr. Gates' family, consisting of his wife Betsy, and sons Todd, 13, and Jeffrey, 11, accompanied him to the Boston area. Daughter Allison, 16, spent the year in Germany with a German family with whom

Surplus government property auction set at Edwards AFB

An auction of surplus government property is scheduled to be held at Edwards Air Force Base's property disposal facility on Thursday, Aug. 11, starting at 9 a.m.

Although the auction will take place at Edwards some of the items can be seen locally at NWC's Warehouse 41 (on 10th St., just off the airfield road) between the hours of 7:30 a.m. and 3 p.m. from next Wednesday until the beginning of the sale.

Items to be auctioned range from pickup trucks and other vehicles and vehicle equipment through a sand blaster to books, 35mm motion picture projectors, typewriters, and household items such as stoves and refrigerators.

Registration of prospective bidders will take place at Edwards AFB between 8 and 9 a.m. on the day of the sale.

Additional information about the auction can be obtained by calling Bill Guillani at NWC ext. 2502 or 2538.

Science Advisors . . .

(Continued from Page 1)

Of special interest to the Science Advisors visiting NWC was a tour of the Center's machine shop and a chance to view one of the first castings for a prototype target being developed here as an NSAP project.

The At-Sea Target program, under project manager Doug Savage of the Weapons Department's Electronics Systems Branch, is a good example of the low-cost, quick response projects sponsored by NSAP in support of the Fleet. First proposed by Savage, John Ayers, and Lyman Vanbuskirk in late 1976 as an answer to a Seventh Fleet need for an inexpensive, open-ocean, air-to-surface bombing target with scoring capability, the program involves development of two prototype targets that are scheduled for shipment to the Seventh Fleet next month.



—Photo by Joyce Klissus

SUMMER ADVENTURE — Photographed just as they were preparing to board a bus in Ridgecrest to take them to two weeks of recruit training at the Naval Training Center in San Diego recently, this group of 11 cadets from the Naval Sea Cadet Corps Division, Naval Weapons Center, stands pretty much at ease. They are (l.-r.) Paul Branum, John Boyles, Alan Stratton, Steve Peterson, Joe Fees (partially obscured), Pat McCammon, Jim Dillon, Ken Moss, Rich Evert and Kary Fletcher. Standing near the end of the line, completely obscured, was Mike Kendall. LeRoy Stevens, not pictured, boarded a bus from Mojave.

Recruit training completed by Sea Cadets during 2 weeks at San Diego

Twelve cadets from the Naval Sea Cadet Corps Division, Naval Weapons Center, returned to China Lake recently after completing recruit training at the Naval Training Center in San Diego. The youths were assigned to companies of cadets coming from the western U.S. Approximately 350 cadets participated in this recruit training program, which represents the first step in the youth's formal military instruction. As additional instruction, Cadets Joe Fees and Kary Fletcher departed July 29 for two weeks of Constructionman School training at Seabee Base Gulfport, Miss. They will be

indoctrinated in all facets of Seabee life, including an overview of rates, heavy weapons training, disaster control and combat techniques. On Sunday, Cadets Jim Dillon, Mike Kendall, Paul Branum, Rich Evert, John Boyles, LeRoy Stevens, Alan Stratton and Steve Peterson will depart for three weeks of service craft training at Naval Station San Diego. During this time, the young men will be assigned to two tugboats and other service vessels on which they will get hands-on training in engine room maintenance and operation, line handling on the deck, rigging for pushes and tows, and pilot house activities.

The Naval Sea Cadet Program is open to all qualified boys and girls between the ages of 14 and 18. Further information may be obtained by contacting Lt. A. J. Klissus, acting commanding officer, at 375-2085.

Gen. LeMay's visit...

(Continued from Page 1) Mr. and Mrs. Robert Forster, and all eight of the Air Force officers currently assigned to NWC and VX-5, and their wives. Before leaving China Lake, General LeMay received briefings from Forster, head of the Weapons Department's Special Projects Division, and Navy Lt. Lee Dickson, special warfare projects officer in Code 393, as well as from Paul Miller, head of the Systems Development Department's Gun Systems Branch, and Jack Bates, program manager for gun systems. Prior to his departure on Thursday afternoon of last week, General LeMay continued his discussions over lunch at Lt. Col. Gibbons' residence. The distinguished visitor was accompanied during his visit to the Naval Weapons Center by Maj. Eric Nilson, of U.S. Air Force Headquarters in Washington, D.C., and Col. William D'Ettore, USAF (Ret.).

Club, organization booklet information now being collected

Information for a new directory of local clubs and organizations is now being gathered by Natalie Harrison, the NWC community liaison assistant, Code 2404. If either a new organization, or a long-established club or group wishes to be listed in the directory, the steps to take are as follows: Send to Code 2404 the name of the club or organization; the day, time and place of meetings; and the name, address and home telephone number of the person to be contacted by those interested in the particular group. This information should be sent to Mrs. Harrison no later than Sept. 1.

Fire Div. EMT praised for aiding victims of local vehicle accident

Randall K. Miller, an NWC emergency medical technician (EMT) and fireman in the Fire Division, recently received a letter of appreciation from Safety and Security Department Head W. E. Davis for his assistance to victims of an automobile accident occurring in Ridgecrest.

Miller, who was off duty at the time, was the first medically qualified person at the scene of the accident at the intersection of Felspar and China Lake Boulevard. He had a box of emergency medical supplies in his car, and proceeded to render aid to the accident victims prior to the arrival of an ambulance.

His willingness to assist the victims, his professionalism, and his concern for his fellow man so impressed others at the accident scene that a letter of appreciation written by John N. Milliken of the Signal Process and Control Branch, Weapons Department, was sent to Fire Chief W. R. Knight, Miller's supervisor, expressing gratitude that "persons are around that care and are not reluctant to become involved and come prepared to participate in such emergencies."

Davis, in his letter of appreciation to Miller, added that "you may take great pride in knowing that your efforts represent a significant contribution in achieving a major objective of the 'Paramedic' qualified firefighter—that of providing

Graphic art work of 2 TID employees chosen for awards

Two members of the Naval Weapons Center's Technical Information Department were recognized for exceptional creativity at the Industrial Graphics International art show, which was held recently in San Jose.

They are Larry Weeks, a visual information specialist with the Illustration and Design Branch, and June Deatherage, head of that branch's Presentations Art Section. Both have been at China Lake since 1970.

Weeks entered three acrylic paintings which earned awards of merit. Two of the paintings, produced for Code 3312's Air Warning and Protection System, depicted tactical combat situations. The other, created for Code 32703, portrayed vertical launch firings from a high-speed surface effect ship.

Also winning awards of merit were a logo design and a letterhead created by Mrs. Deatherage for a Los Angeles film production firm.

A total of 622 works were judged in the art show, and the winning entries, including those of Mrs. Deatherage and Weeks, are slated to soon go on exhibition at a number of galleries throughout the United States.

efficient and immediate care to the ill and injured." James West, also an NWC emergency medical technician and fireman, was present and assisted in helping the auto accident victims.



Randall K. Miller

Entries accepted for Freedoms Foundation letter writing contest

Entries are now being accepted for the 1977 Freedoms Foundation Letter Writing Contest. The subject of this year's contest is "My Responsibilities in Keeping My Country Free."

Open to all members of the Armed Forces of the United States (Army, Marine Corps, Navy, Air Force, Coast Guard) and reserve forces (including National Guard and ROTC), entries need not be in a "letter" as such but may be in essay or poetry form.

Entries should be no less than 100 nor more than 500 words in length. If letter style is used, the addressee may be any person or organization, real or imaginary, living or dead.

Included among the awards which contest winners will receive are a \$100 U.S. Series E Savings Bond and the Defender of Freedom Award, a \$50 U.S. Series E Savings Bond and the George Washington Honor Medal, or a Valley Forge Honor Certificate. Top winners will receive a formal written announcement from the Freedoms Foundation at Valley Forge on Washington's Birthday, Feb. 22, 1978.

Deadline for entries is Oct. 1, 1977, and must include the entrant's full name, rank, Social Security number, full military address, service or reserve component, full home address and zip code. Mail submissions to: Freedoms Foundation, Valley Forge, Pa. 19481.

NWC film wins award

The Council for International Non-theatrical Events has awarded its Golden CINE Award to the Naval Weapons Center-produced film entitled "Desert Stewardship."

The film provides an overview of the natural and cultural resources found on the Center's more than one million acres of ranges. Highlighted is the Center's philosophy of stewardship of these assets and the management required for compatible range operations.

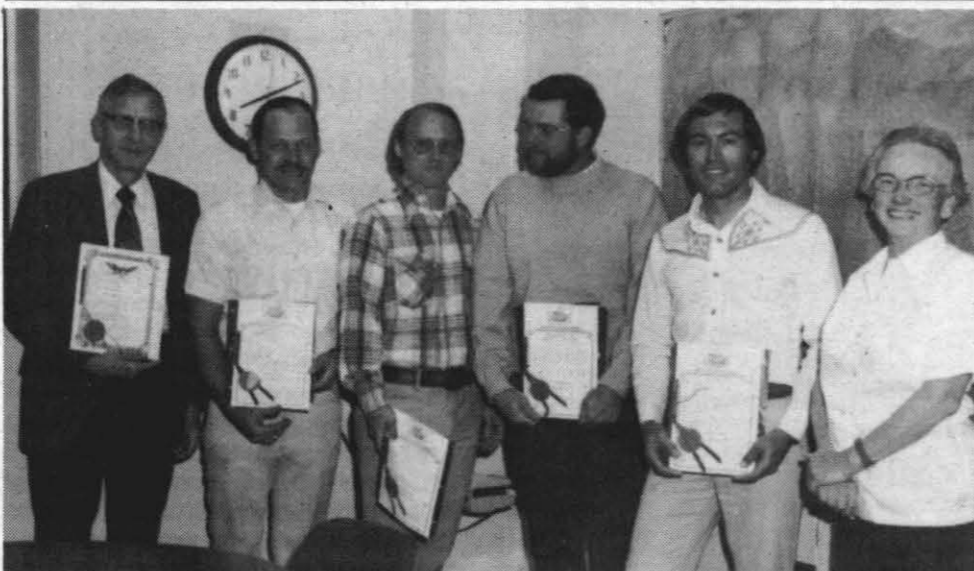
The film was produced last year by the Technical Information Department's Film Projects Branch.

Overseas living info

Long-awaited information on living conditions in specific overseas locations has now been distributed to all Navy sea and shore commands.

Navy personnel with overseas PCS orders, or those who are considering requesting overseas duty assignment, should consult the new BUPERINST 1720.3 for information sheets on housing, base facilities, medical care, climate, local customs, automobiles, etc., at Navy duty stations overseas.

—Photo by PH3 B. J. Beckman



PATENT AWARDS PRESENTED — Dr. Marguerite Rogers (at right), acting head of the Laboratory Directorate, recently presented patent awards to five of the employees in Code 31. They are (l.-r.) Criley Orton, Larry Liedtke, Bruce Bartels, John Hofthrop and Russell Trovinger. Orton, an electronics engineer in the Electronics Branch of the Infrared Systems Division, was awarded a patent for his work on a pulse repetition frequency discriminator for tracking radar signals. The other four Systems Development Department employees are co-inventors of a liquid propellant gun.



STATE SENATOR HERE FOR BRIEFING — As a memento of his recent visit to the Naval Weapons Center, an NWC plaque was presented to State Sen. Walter Stiern by Capt. Frederic H. M. Kinley, NWC Commander. Sen. Stiern was here for an update on the exploratory drilling and other work that has been done in an effort to determine the potential that exists for geothermal energy development in the Coso Hot Springs area, which is included within the vast territory taken in by the state's 16th Senatorial District. —Photo by Ron Allen

Local reception of educational TV Channel 28 restored

Local reception of Channel 28 (educational TV station in Los Angeles) programs was restored last Sunday (after being off the air for several days), thanks to the "beyond the call of duty" efforts of Jim Rieger and Ed Tipler.

Despite the unusually hot weather on Sunday, Rieger, who is a member of the local TV/FM Radio Booster System Committee and works as an electronics engineer in the Range Department's Telemetry Technology Branch, and Tipler, an electronics engineer who is employed at SNORT, made three trips back and forth between here and Laurel Mt. in order to find and replace a small part that was needed to put the recently purchased Channel 28 translator back into operation.

Since the new equipment was still under warranty, it was necessary to obtain permission of the manufacturer of the new translator before the minor repair work could be done, Rieger noted.

Although the new Channel 28 translator, which was one of the first major items purchased with money raised during the current TV booster fund drive, has been installed, it isn't yet operating at its peak efficiency. Some additional parts that have been ordered and are expected to be received and installed at any time now, are still needed before the "snowy" picture that is being received can be cleared up.

Channel 28 programs can be picked up locally via UHF Channel 55 by those who have TV antennas that are oriented in a southerly direction toward Laurel Mt.

Next meeting of Navy Wives Club set Aug. 11

Officers and members of Desert Flowers Chapter No. 125, Navy Wives Club of America, will get together next Thursday, Aug. 11, at 7:30 p.m. for their monthly business meeting at the group's clubhouse, 415 McIntire St., China Lake.

Membership in the Navy Wives Club is open to the wives of active duty or retired Navy, Marine Corps and Coast Guard personnel, and all such persons are invited and encouraged to attend next Thursday night's meeting.

The next event of what has been a busy summer schedule of Navy Wives Club activities will be a family picnic on Saturday, Aug. 20. Additional information about this affair can be obtained by calling either Linda Fleeger, the club president, at 446-4233, or Sharron Crowson, at 446-5700.

Drought, high fire danger lead to Sequoia Nat'l Forest restrictions

Because of continued drought and high fire danger, the Sequoia National Forest is implementing special fire restrictions, John A. Leasure, forest supervisor, reported recently.

Similar fire restrictions are being initiated in the Sierra and Stanislaus National Forests. The restrictions affect the use of campfires and smoking. Private land is not affected by the special restrictions.

"We have divided the forest into high hazard, moderate hazard, and exempt areas. Weather patterns, fuel types and concentrations, and terrain were considered in establishing these areas," Leasure said.

Fire restrictions in high and moderate hazard areas will include campfires in developed recreation areas only. However, gas, jellied petroleum, or pressurized liquid fuel stoves may be used outside developed recreation areas. Also, smoking will be allowed only in closed vehicles or developed recreation areas. Welding and blasting is allowed only with a Forest Service permit.

High hazard areas include the area north and west of Grant Grove to the Pine Flat Reservoir, the Tule River drainage, the Western Divide, Lloyd Meadow Basin, and the Kern River Canyon.

Moderate hazard areas include the Hume

Lake Basin, the Little Kern Basin, the northern Kern Plateau (including Monache Meadow) and the Piute Mountains.

Exempt areas include Mineral King, Domeland Wilderness, Scodie Mountains, and the Jennie-Weaver Lake area.

"We anticipate additional restrictions on campfires, off-road vehicles, and use of motorized equipment in high hazard areas," Leasure added. "With current conditions, we expect these restrictions will be implemented about mid-August."

"We know that these restrictions will cause inconvenience to some national forest visitors, but the forest will remain open for the public. Closure of the forest will be used only as a last resort."

CPO Club selling tickets to Hawaiian extravaganza

Tickets for the Chief Petty Officers' Club's annual Hawaiian extravaganza are now on sale at the club's office.

Planned to begin at 6 p.m. on Saturday, Aug. 27, the evening will feature a buffet of tropical dishes, dancing, and a floorshow by Tiare Productions.

Cost is \$10 per person and interested persons are urged to purchase their tickets as soon as possible since attendance will be limited.

Promotional Opportunities

(Continued from Page 2)

discipline, etc.) affecting work group. Applicants must possess enough knowledge and abilities in the following elements to perform the duties of the position in the trades supervised: Ability to supervise; technical practices; ability to interpret instructions, specifications, etc.; knowledge of materials; knowledge of pertinent tools and equipment. File SF-172 and supplemental wage grade supervisory information sheet with Code 096 to be received no later than Aug. 12, 1977. Forms may be obtained in Rm. 204 of the Personnel Building.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2925.

Clerk, GS-301-3, PD No. 7735014N, Code 3502 — This position is that of clerk and is located in the Custody Control Office of the Electronic Warfare Department. The incumbent performs duties such as preparing destruction lists, transmittals, filing receipts, wrapping packages for mailing off-Center, and other such duties as assigned. The incumbent will also pickup and deliver classified mail and materials within the department on a daily basis. The pickup and delivery of mail may also include other on-Center groups and nearby government contractors. Incumbent must obtain a government driver's license. Job Relevant Criteria: Observed on-the-job reliability and dependability; capability to perform duties with a minimum of supervision; observed tactfulness in dealing with other people; ability to type accurately.

Clerk-Typist, GS-322-3/4, PD No. 7735053N, Code 3554 — This position, that of a clerk-typist, is to provide secretarial and clerical functions for the Data Management Branch, Code 3554, Countermeasures Division, Electronic Warfare Department. The physical location of this position is at the Electronic Warfare Threat Environment Simulation (EWTES) facility in the Rand-sburg Wash Test Area. Duties include the preparation of administrative correspondence and technical progress reports, plus other miscellaneous typing of forms, etc. Incumbent is also responsible for travel orders, itineraries, time cards, distribution of mail, reception duties, etc. Job Relevant Criteria: The incumbent must be able to work independently, type accurately and rapidly, and have some working knowledge of technical terminology. Previous applicants will be considered without reapplying.

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

Supervisory Clerk (DMT), GS-314-5, PD No. 7580859, Code 8822 — This position is located in Word Processing Branch 1 of the Office of Finance and Management. The incumbent is responsible for technical and administrative supervision of personnel in the branch. This includes writing position descriptions, selecting personnel, training personnel, evaluating employees work, recommending promotions and awards, resolving grievances and taking disciplinary actions. The incumbent plans, organizes, and directs the operation of the branch; evaluates the function of the equipment and techniques; and maintains and submits records and reports. Job Relevant Criteria: Must have extensive knowledge in use and operation of magnetic media and dictating and transcribing equipment. Must have thorough knowledge of NWC correspondence procedures, policies, and instructions. Must be able to communicate and deal effectively with all levels of NWC employees. Must have ability to supervise. Promotion potential: GS-4.

File applications for the above with Tina Lowe, Bldg. 34, Rm. 204, Ph. 2674.

Engineering Technician, GS-802-6/9 or 10, PD No. 7738023, Code 3818 — This position is in the Physical Optics Branch of the Research Department. The incumbent will design, develop and utilize micromachining equipment for producing precision optical surfaces on various metal and nonmetallic substrates. Incumbent will test resulting surfaces and participate in the evaluation of data. Incumbent will utilize complex optical equipment for a variety of experimental purposes. Job Relevant Criteria: ability to design or modify complex mechanical equipment; practical engineering knowledge of electrical and electronic equipment; knowledge of optical equipment such as interferometers and autocollimators; ability to communicate through verbal and oral methods, and knowledge of machine shop practices.

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

Laborer, WG-3502-3, JD No. 155-2N, or Warehouseman, WG-4907-4/5/6 JD No. 362N/33N/369N, Code 2591 (3 vacancies) — Incumbent performs a number of tasks in connection with the physical receipt, storage or issue of supplies; receives, checks, stows, counts, issues and assembles supplies of all types in accordance with established supply systems, procedures and methods. Job Relevant Criteria: (Laborer) Reliability and dependability as a laborer; ability to follow directions; knowledge of related lines of work, equipment and tools; dexterity and safety; ability to do the work without more than normal supervision; work practices, including keeping things neat, clean and in order; knowledge of materials and documents; knowledge of warehousing practices; ability to interpret instructions; dexterity and safety.

Clerk (Typing), GS-301-5, PD No. 7533117N, Code 337 — This position is located in the Design Services Division, Fuze Department. In collaboration with the division head and the branch heads, incumbent prepares a proposed overhead budget for each ensuing year, prepares and maintains a current training plan for division personnel, maintains all necessary division personnel records, and works with division personnel, maintains all necessary division personnel records, and works with division staff members in the editing, compiling and proofreading of technical specifications and manuals. Job Relevant Criteria: Knowledge of accounting principles; knowledge of security and control of classified data; experience in technical writing and editing; ability to operate magnetic tape / card / electric typewriters.

Supply Clerk, GS-2005-3, PD No. 7525013N, Code 25752 — This position is located in the Receipt Matching Section, Receipt Control Branch, Control Division, Supply Department. Incumbent has the responsibility for

responding to telephone or written requests from Center codes to expedite delivery of material on or before the required delivery date. In addition, the incumbent conducts a continuing review of all open order files to determine those procurements in a delinquent status and initiates tracer action to obtain shipping data where a shipment has been shipped by the vendor but not received. Job Relevant Criteria: Ability to exercise tact and diplomacy in dealings with on and off-Center personnel; ability to work independently; knowledge of Supply Department procedures.

Secretary (Typing), GS-318-4/5, PD No. 7725020N, Code 259 — This position is located in the Material Division of the Supply Department. The purpose of the division is to provide material support to the departments and commands by performing services including receiving and shipping of personal property, custody storage, receipt, storage, issue and delivery of materials, and packing, crating and shipping of materials off-Center. The incumbent will perform the duties of secretary to the head, Material Division. The duties include frequent personal and telephone contacts with individuals from all levels of the Naval Weapons Center, and with representatives of business and industry in connection with division functions: the collection and presentation of data concerning the operation of the Material Division; office management, procurement of supplies, and maintenance and administration of records; origination and preparation of correspondence; and performance of other clerical tasks required. Job Relevant Criteria: ability to type accurately, telephone answering skills, receptionist abilities, reliability and dependability. Previous applicants need not reapply.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 210, Ph. 2371.



PREJOURNEYMAN DEVELOPMENT PROGRAM COMPLETED — Public Works Officer Capt. Robert B. Wilson (far left) presents prejourneyman program completion certificates to Code 26 employees (left to right) Danny A. Callaway, Junior A. Cast and Edgar G. Hillebrand. Callaway entered the Air Conditioning Mechanic Program in November 1973 and has completed over 4,000 hours of on-the-job training with Code 2643 journeyman mechanics as well as over 400 hours of academic work in the theory of the trade, math and English. Cast completed extensive on-the-job and academic training before becoming a journeyman electrician. This included the Master Electrician Correspondence Course from International Correspondence Schools as well as over 4,500 hours of specified training assignments. Hillebrand has completed nearly 4,000 hours of on-the-job training designed to equip him with the skills necessary to carry out the duties of a journeyman equipment mechanic as well as classroom and correspondence training in various aspects of inside and outside mechanic's work.