

Cast, Directors Of CLOTA's 'Diary Of Anne Frank' Chosen

Gail Falkenberg will direct a cast of award-winning actors and actresses in "Diary of Anne Frank," the spring production for 1975 of the Community Light Opera and Theater Association.

Scheduled for staging on April 25, 26 and May 2 and 3, "Diary" is led by Elena Vitale, 1974 winner of CLOTA's "best actress" award for her portrayal of Helen Keller in "The Miracle Worker," which also was directed by Miss Falkenberg. She will play Anne Frank.

Fred Stahlman, who garnered "best actor" honors in 1973 from CLOTA for his leading role in "Lion in Winter," will perform the part of the portly Van Daan. Jack Lindsey, CLOTA's "best supporting actor" in 1974, has been cast as Mr. Dussel.

The role of Peter Van Daan will be filled by Larry Carter, who was recently chosen for the Bank of America drama scholarship at Burroughs High School.

Others in the show are Robbie Robbins (Kraler) and Nancy Miller (Miep), both seen last in 1974's best CLOTA production, "Company." Henry Machtay, a USC graduate student in filmmaking, will portray Otto Frank. Sally Erickson, who charmed audiences as Capulet in "Ring Round the Moon" last season, will be seen as Mrs. Frank.

Judy Vuono, who has played many parts in recent years, will be Mrs. Van Daan. The last member of the cast is Terry Payne, who will serve a double duty. In addition to performing the role of Margot, Miss Payne also will be the assistant director for the play.

The shows' technical director is William Beasley. June Deatherage will design the set, and Vivian Childers, one of CLOTA's most talented behind-the-scenes workers, will make the costumes. Pat Gallup is in charge of programs.

Cal-State Prof To Visit

Dr. James Vigan, advisor for the Cal-State Bakersfield Business Administration program, will be at China Lake next Friday, March 7.

Persons interested in making an appointment to see Dr. Vigan can do so by calling the Training Center.

'Barber of Seville' To Be Presented Tues. Night

Giacchino Rossini's "The Barber of Seville," one of his best known operas, will be presented Tuesday night at the Burroughs High School Lecture Center by the Western Opera Theater group — a touring and educational subsidiary of the San Francisco Opera Co.

Sponsored by the Cerro Coso Community



UNEXPECTED ANNOUNCEMENT — Edith Lambert (played by Natalie Stone) second from right, has just announced she is going to have a baby after 25 years of marriage. Registering their surprise are (from left) Lambert (Fred Stahlman), her husband; her daughter, Kate (portrayed by Lori Gunther), and her son-in-law, played by Allan Ward. The scene is from "Never Too Late," the China Lake Players' production that opens tonight at the Players' Hut, 405 McIntire St., on the Center. Curtain time is 8:15. Tickets, priced at \$2 for adults and \$1.25 for students and military enlisted personnel, can be obtained by reservation only. The number to call is 375-9470 or 375-9161.

—Photo by Ron Allen

Players' Production of 'Never Too Late' Opens Six-Performance Run Tonight at Hut

"Never Too Late," the first production for 1975 by the China Lake Players, opens tonight at 8:15 at the Players' Hut, 405 McIntire St.

This hilarious Broadway comedy smash was written by Summer Arthur Long, and is being directed by Marijean Ackers. The show will run tonight and tomorrow night, as well as on March 7, 8, 14 and 15.

Tickets priced at \$2 for adults and \$1.25 for students and enlisted military personnel, can be obtained by reservations only. Reservations may be made by calling 375-9470 or 375-9161.

"Never Too Late" is based on the problems that occur with starting another family after 25 years of marriage. Harry and Edith Lambert, the expectant parents, will be played by Fred Stahlman and Natalie Stone, respectively. Kate, the

Lambert's married daughter, will be portrayed by Lori Gunther. The Lambert's son-in-law, and Kate's husband, will be played by Allan Ward. Shelia Snell will be seen as Grace Kimbrough, Edith's best friend, and Ralph Vuono will play her husband, Dr. James Kimbrough.

The pompous Mayor Crane will be portrayed by Rudyard Stone. The part of Mr. Foley is played by Don Alvari Tilford. Rounding out the cast is Phil Quinton, who will be seen as the policeman.

Elena Vitale, is the assistant director, while Ward doubles as technical director. Lighting will be handled by Joe Koons, and sound by Newman Lowe. Robbie Robbins is the set dresser, and Yvonne Beyer and Mrs. Snell are handling the properties.

Costume coordinator for the production is Mykile Loftus. Ward also designed the set.

College, the performance will begin at 8 p.m. Tickets for this English - sung production of one of the world's most popular comic operas are priced at \$2.50 for general admission and \$2 for holders of college student body cards. The duets may be purchased at the Gift Mart in Ridgecrest, the Station Pharmacy, or the college office.

The Western Opera Theater is a self-contained company that offers unique performing opportunities to young American singers. It was founded in 1967 by Kurt Herbert Adler, general director of the San Francisco Opera, with the assistance of a grant from the National Endowment for the Arts.

The company has traveled through virtually all of California and Arizona, as well as to most of the Western United States, performing operatic productions in out-of-the-way places where opera is seldom seen.

The local production will be directed by Nicholas Deutsch and will feature Charles Long, baritone; John Davis, bass baritone; Janice Felty, mezzo soprano, and William Dansby, bass baritone, in the leading roles. Calvin Simmons will conduct this two-piano version of Rossini's celebrated comedy.

Military Ball Tickets On Sale at CPO Club

The annual Military Ball is coming up on Saturday, March 15, at the Chief Petty Officers' Club. Tickets for this event, priced at \$25 per couple, are currently on sale at the club office.

All members of the CPO Club, military personnel, (active and retired) in pay grades E-7 through E-9 are invited to attend. Music will be provided by the 11th Naval District combo.

The Good Time Music Co. will be playing music for dancing tonight at the CPO Club, beginning at 9 o'clock. The special in the dining room is the lobster-seafood dinner.

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.

Matinee—1 p.m.

FRI.

28 FEB.

"TAKING OFF" (92 Min.)

Lynn Carlin, Buck Henry
(Comedy) When their teenage daughter runs off, her parents attend a society for Parents of Fugitive Children dinner and are coached in smoking marijuana "to understand their kids."
(R)

SAT.

1 MARCH

"VISIT TO A CHIEF'S SON" (92 Min.)

Phillip Hodgdon, Richard Mulligan
(Adventure Drama) Two 12-year-old boys—one American, the other Masai—undertake a dangerous trek through Kenya. (G)

SUN.

2 MARCH

"DON'T TURN THE OTHER CHEEK" (96 Min.)

Eli Wallach, Lynn Redgrave
(Comedy Western) In the early 1900s, Russian Prince Franco Nero poses as a padre in the American Southwest and hears a dying miner speak of buried gold. After killing three badmen, Nero rescues bandit Eli Wallach from hanging at Yuma Prison. Wallach knows that the location of the gold was drawn in the form of a map on the rear ends of two guards. (PG)

MON.

3 MARCH

"I ESCAPED FROM DEVIL'S ISLAND"

(87 Min.)
Jim Brown, Christopher George
(Action Drama) In 1918, a convicted murderer is sent to Devil's Island. He and three other prisoners plan and execute a successful escape with the police in close pursuit. (R)

TUES.

4 MARCH

"BUSTER AND BILLIE" (100 Min.)

Jan-Michael Vincent, Joan Goodfellow
(Drama) Buster (Jan-Michael Vincent) is president of his high school's chapter of "Tomorrow's Farmers." He is engaged to Margie (Pamela Sue Martin), the prettiest girl in school. Billie (Joan Goodfellow) is a painfully withdrawn girl, but known as the only girl in school who will "put out." This is her way of "making someone like her." After an argument with Margie, Buster goes to Billie. The unlikely couple discover an unexpected but powerful fulfillment. A tender love affair ensues. (R)

WED.

5 MARCH

"THE MACKINTOSH MAN" (99 Min.)

Paul Newman, Dominique Sanda
(Suspense Drama) An ice-cold thief and a beautiful woman take on the cream of the Chinese espionage corps. (PG)

THURS.

6 MARCH

"THE CRAZY WORLD OF JULIUS VROODER"

(98 Min.)
Timothy Bottoms, Barbara Seagull
(Comedy) Vietnam War veteran Timothy Bottoms prefers living in a Veterans' Administration hospital, rather than coping with the outside world. Nurse Barbara Seagull is courted by Dr. Lawrence Pressman, who is determined to "cure" Bottoms. Bottoms makes love to Seagull and the couple find themselves pursued. (PG)

FRI.

7 MARCH

"THE SUMMERTIME KILLER" (100 Min.)

Karl Malden, Olivia Hussey
(Action Drama) A number of sudden mobster assassinations across the U.S. cause the mob to hire a crooked cop to investigate. The killer kidnaps the daughter of the crooked policeman and arranges a trap to lure her father to his death at a bull fight. (PG)

SAT.

8 MARCH

"THE SUMMERTIME KILLER" (100 Min.)

Karl Malden, Olivia Hussey
(Action Drama) A number of sudden mobster assassinations across the U.S. cause the mob to hire a crooked cop to investigate. The killer kidnaps the daughter of the crooked policeman and arranges a trap to lure her father to his death at a bull fight. (PG)

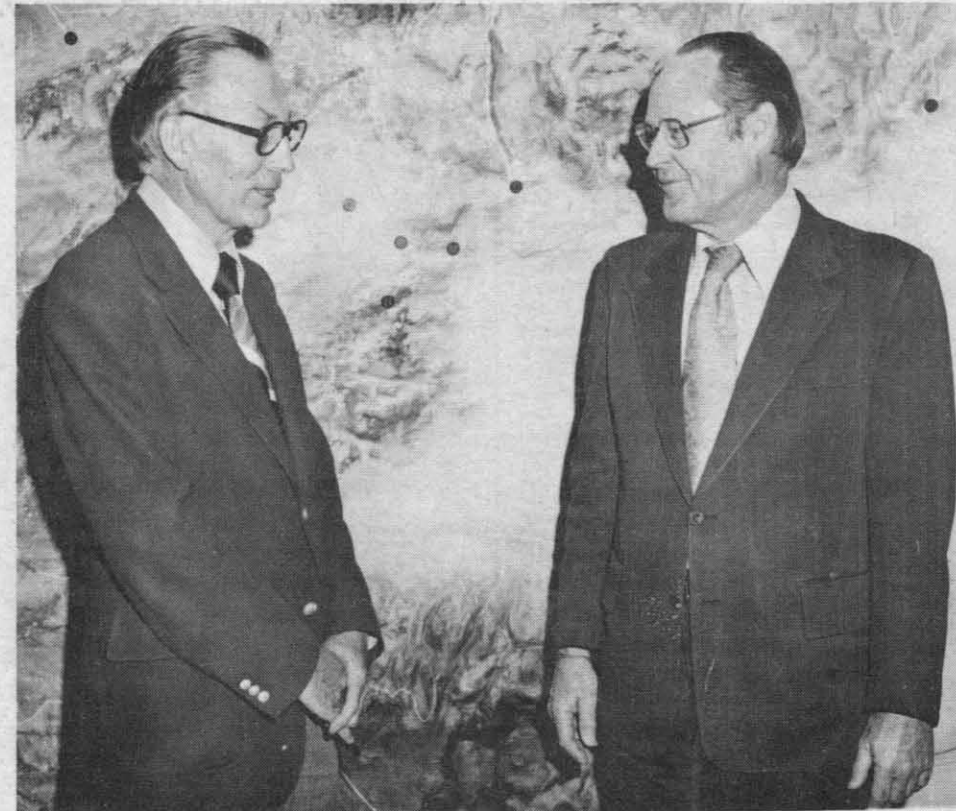
"THE SUMMERTIME KILLER" (100 Min.)

Ronnie Thompson and the "Down Country Rockers" will provide music for a dance tonight at the Jolly Roger (Enlisted Men's Club) from 9 o'clock until 1:30 a.m.

U.S. Government Printing Office:

1975-683-490 / N0162

From:	PLACE STAMP HERE
To:	



FORMER TECH DIRECTOR VISITS CHINA LAKE — Dr. W. B. McLean, Technical Director of the U.S. Naval Ordnance Test Station (forerunner to NWC) from 1954 to 1967, visited China Lake last week as a member of the Gun Systems Acquisition Review Panel. Dr. McLean, who retired from Civil Service last June, left here in mid-1967 to become Technical Director of the Naval Undersea Center in San Diego. He is shown above during an information discussion with Dr. G. L. Hollingsworth (at left), NWC's present Technical Director.



nwc rocketeer

Naval Weapons Center
China Lake
California

Feb. 28, 1975

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Tests Under Way at Coso Hot Springs On Corrosive Effects of Geothermal Fluids

In January 1974, a group of scientists, led by Dr. Carl Austin, head of the Petrodynamics Branch in the Research Department's Detonation Physics Division, began an investigation into the corrosion of materials by geothermal fluids.

Corrosion is one of the great stumbling blocks in the commercial exploitation of geothermal steam and hot water. Science is looking at this type of activity with an eye toward harnessing the energy for space heating, operation of power plants, manufacture of electricity, and similar uses.

The utilization of geothermal fluids, be it for process heat, chemical extraction or energy production, will require the design and construction of equipment which must survive in a chemically aggressive environment. This equipment will be subjected to corrosion and scaling internally from the passage of liquids and gases being produced from the well, and also will be subjected to external corrosion from non-condensable gases, splashes and spills of fluids, and from mists and vapors.

Other Problems Involved
In addition, cooling water with dissolved gases and waste fluids from operations involving flashing of steam must be handled. (Flashing is the production of hot water which is then allowed to become steam in a reduced pressure, leaving most of the dissolved solids in the portion of the water that does not flash.)

The resulting corrosion problems are complex. To support his own study at Coso Hot Springs, Dr. Austin, along with Carl Halsey, his chief field engineer, has visited geothermal plants at Big Geysers, Calif., and at Cerro Prieto, in Mexico, south of Mexicali.

According to the study at Coso Hot Springs, where Dr. Austin's group has erected three different test arrays, geothermal fluids produced today (and likely to be produced in the near future in the Western United States) can exhibit a

rather wide variation in terms of total dissolved solids present, but will generally have the same chemicals present.

This results from the fact that the parent heat sources for most, if not all, geothermal deposits in the west that are undergoing active exploration at this time appear to be genetically similar.

Former Resort Area

Coso Hot Springs, located on the Naval Weapons Center, where Dr. Austin's study is being conducted, is a former hot springs resort that was operated in the 1920s and '30s. The fumaroles (volcanic vents) at Coso Hot Springs send out vapors having a temperature of at least 204 deg. Fahrenheit.

Although extensive silver mining went on

in nearby areas in the 1860s, Coso Hot Springs bubbled on almost in anonymity until the resort was built in 1921. Hucksters advertising the resort guaranteed that the springs would cure stomach diseases, rheumatism and kidney trouble.

Some attempts at mining the thermal area were made during the same period. An unsuccessful effort was made to mine sulfur at the Devil's Kitchen and later mining activities produced cinnabar and small amounts of mercury.

Dr. Austin's group is testing the corrosion of metals in three different environments at Coso Hot Springs. The first is a test array operating at the old Coso Resort on ground

(Continued on Page 3)



TWO METHODS OF CORROSION STUDIED — A test array, located at Devil's Kitchen, shows the two different forms of geothermal corrosion being studied by a group led by Dr. Carl Austin, head of the Research Department's Petrodynamics Branch. Half of the pipes are used to study corrosion in an anaerobic (no air available) state, while a split pipe, leaving a U-shaped conduit, is aerated, allowing test engineers to study corrosion in a complete sequence from air being mixed with fluid to a point where oxidation builds up. —Photo by Tom Carter

NWC Scientists, Engineers Encouraged To Apply For Fleet Support Assignments

Naval Weapons Center scientists and engineers have the opportunity to make known their interest in a variety of off-Center assignments that are due to be filled during the next few months. Included are both long and short term tours in various Fleet support roles.

The basic positions are Navy Science Assistant Program (NSAP) science advisor and laboratory representative posts at major Fleet commands, Fleet exercise and special project assignments, and one year tours with the Naval Intelligence Support Center (NISC) in Washington, D.C. The Navy Science Assistance Program is sponsored by the Director of Navy Laboratories.

Under NSAP, science advisors and laboratory representatives are sent to Fleet commands around the world. Tours of duty as science advisors and laboratory representatives customarily involve temporary duty off-Center for one year. NWC's motivation in encouraging those qualified to do so to seek NSAP advisory positions is to

enable Centerites to assist the Fleet, while gaining experience of value to the Center and its projects.

In a recent memo on this subject, Dr. G. L. Hollingsworth, NWC Technical Director, wrote: "I regard these positions as one of the best opportunities available within the Navy laboratories for an individual to broaden his understanding of Fleet operating problems and the role of the laboratories in solving them."

"I urge those of you who qualify and whose personal circumstances permit assignments away from China Lake to place your names on the roster for these positions," Dr. Hollingsworth added.

At the present time, R. W. Murphy and W. Baer, both long-time employees at China Lake, are filling two NSAP assignments.

NSAP SCIENCE ADVISORS

Science advisors are senior personnel (typically GS-15s or above, though occasionally consideration is given to highly qualified GS-14s). Each science advisor is individually requested by a Command and reports as a personal advisor to the commanding flag or general officer on technical and scientific matters.

The science advisor represents the Navy laboratory system to the Fleet, and is the laboratory system's direct contact on urgent problems of the Fleet. The Fleet's image of the laboratory community's presence, contributions and capabilities is strongly influenced by the science advisor.

Typically, a science advisor does not work on technical solutions himself. His overall knowledge of lab capabilities and his management skill are more important than detailed technical expertise on a given subject. Because the science advisor is an experienced senior man, he also is called upon frequently to handle certain types of staff work for the Command—particularly if he has a broad background in a specific warfare area. Requests for a science advisor usually indicate the areas of warfare expertise desired.

Murphy, former head of the Systems Development Department's Weapons

(Continued on Page 4)

Ex-Boxing Champ Archie Moore To Visit NWC March 5

Archie Moore, who reigned as the undefeated light-heavyweight boxing champion of the world from 1953 to 1961, will make a personal appearance at the Naval Weapons Center theater for a program, open free of charge, that will begin at 5 p.m. next Wednesday, March 5.

The popular ex-champ currently devotes a great amount of time to addressing boys' clubs, youth groups and similar organizations to extol the virtues of physical fitness and the need for avoiding the pitfalls of drug addiction, as well as other temptations that beset today's young people.

Moore, who has been invited here by the Naval Weapons Center Command, will bring along a film of his unforgettable fight in defense of his light-heavyweight crown against Yvan Durrell of France.

During his lengthy fight career, Moore also fought Rocky Marciano and Floyd Patterson for the world's heavyweight boxing title, but lost both times.

While here, Moore will take the time to sign autographs and have a personal word with his many fight fans in the local area.

There will be an open gate policy at the Center in order to enable other residents of Indian Wells Valley to take advantage of this opportunity to meet the likable fight world figure.



SPECIAL GUEST OF NAVY WIVES — Mrs. R.G. Freeman (2nd from left), wife of Rear Admiral R. G. Freeman III, NWC Commander, was the guest of honor at a recent get-acquainted coffee held by Desert Flowers Chapter of the Navy Wives Clubs of America. Shown with Mrs. Freeman are Mrs. L. J. McKee (at right), president of the local group; Mrs. I. W. Reed (2nd from right), vice-president, and (at left) Mrs. R. J. Brode, parliamentarian. The list of wives of other top-ranking military officers at the Center who attended this event included Mrs. R. S. Moore, Mrs. L. W. Gire, Mrs. E. M. Crow, and Mrs. R. W. Harper, whose husbands are (respectively) the Commanding Officer and Executive Officer of the Naval Air Facility, and Commanding Officer of Air Test and Evaluation Squadron Five (VX-5) and the NAF chaplain. The coffee was held at the Navy Wives' Clubhouse on McIntire St.

—Photo by Ron Allen

World Day of Prayer Service Planned

Members of the Protestant Women of the Chapel will act as hostesses for the World Day of Prayer service that will take place next Friday, March 7, at the All Faith Chapel.

All interested women are invited to attend this service, which will be preceded by the serving of coffee at 9 a.m. in the East Wing of the Chapel.

The theme of the 1975 observance of World Day of Prayer, "Becoming Perfectly One," centers around a search for the meaning of Christian unity.

Similar programs will be conducted in more than a thousand languages and dialects in 169 lands.

Next Meeting of Metal Trades Council Set Thurs.

The next monthly meeting of the Indian Wells Valley Metal Trades Council will be held on Thursday, March 6, starting at 7:30 p.m. at 65-B Halsey Ave.

The Council is representative of a unit composed of the Center's non-supervisory, ungraded civilian employees who work at China Lake.

The Rocketeer

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Naval Weapons Center
China Lake, California

Radm. Rowland G. Freeman, III
NWC Commander

Dr. G. L. Hollingsworth
Technical Director

C. E. Van Hagan
Head,
Technical Information Department



Don R. Yockey
Editor

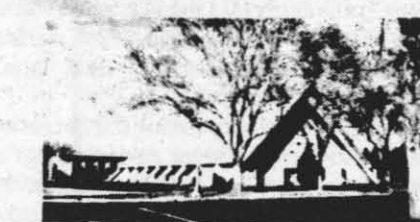
Jack C. Lindsey
Associate Editor

Diane Coryell
Editorial Assistant

Ron Allen, Maurice Dias
Staff Photographers

DEADLINES:

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Phones
3354, 3355, 3347



DIVINE SERVICES

PROTESTANT		
Sunday Worship Service	1015	
Sunday School — All Ages	0900	
Wednesday Noon Bible Study	1130	
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month.		
ROMAN CATHOLIC MASS		
Saturday	1700 fulfills Sunday obligation	
Sunday	0700, 0830, 1130	
BLESSED SACRAMENT CHAPEL MASS		
Daily except Saturday	1135	
CONFESSIONS		
Saturday	1545 to 1645	
Sunday	0800 to 0825	
RELIGIOUS EDUCATION CLASSES		
Sunday	Kindergarten thru 6th grades	1015
	Pre-school	1130
Wednesday	First thru sixth	1530
	seventh & eighth (Junior High)	1900
Above classes are held in Chapel Annexes across from Center Restaurant. As announced		
Ninth thru 12th grades		
"In Home" Discussion Groups		
Monthly Youth Rallies		
Contact Chaplain's Office for specifics.		
JEWISH SERVICES		
EAST WING — ALL FAITH CHAPEL		
Friday 1st and 3rd ONLY — (Sept.-May)		
Sabbath Services	2000	
Saturday	Sabbath School	0900
UNITARIANS CHAPEL ANNEX #5		
Services — (Sept.-May)	1930	
Sunday		

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 452, Ext. 2049. 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 454 or 457). 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.

Supervisory General Engineer GS-801-14, PD No. 5408, Code 337 — This position is that of head, Engineering Division in the Fuze Department. Basic division functions involve design, fabrication and documentation of prototype models of missile fuzes; design of test facilities; preparation and review of fuze design documentation; processing of waivers, deviations and changes proposed by contractors engaged in Navy fuze production; selection and evaluation of electronic and mechanical components used in fuzes, etc. The incumbent supervises the activities of the division and reviews work accomplishments of branches. Acts as consultant for the department in the areas of work performed by the division. Incumbent will make extensive contacts with governmental agencies, contractors, and other departments within NWC in performance of his duties. Job Relevant Criteria: Ability to manage through subordinate supervisors. Ability to deal effectively with management personnel at NWC, other agencies, and contracting firms. Extensive experience in the design, production, and testing of missile fuzing devices. Knowledge of commercial production methods required for manufacture of fuzing devices.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 312, Ph. 3271.
Clerk-Typist (WAE), GS-322-3/4, PD No. 7055017-1, 2 Vacancies; Code 5500 — Incumbent will work in various offices within Code 55 as needed. Incumbent provides clerical and typing duties, acts as receptionist, maintains branch files, etc. Job Relevant Criteria: Must be a qualified typist.

File applications for the above with Carol Downard, Bldg. 34, Rm. 204, Ph. 2925.
Payroll Supervisor, GS 544-5/6, PD No. 7217027, Code 0844 — Incumbent is head, Payroll Section, Payroll and Labor Distribution Branch, Office of Finance and Management. Primary responsibilities are to maintain controls on leave and payroll, supervise the pay and leave processing, and serve as liaison and control point between the payroll section and other departments such as the operations section, disbursing, and personnel. Job Relevant Criteria: Basic knowledge of payroll and accounting systems. Knowledge of regulations governing personnel actions as they relate to NWC financial and mechanized accounting systems/regulations. Thorough knowledge of payroll computation as it relates to processing an employee's paycheck or final pay.

Supervisory Accounting Technician, GS 525-4, PD No. 7117011 AMI, Code 0842 — This is a temporary position with the possibility of leading to permanent. Incumbent is head of the Major Contracts Section, Cost Accounting Branch, Office of Finance and Management. Supervises the processing of encumbrances, accruals, and costs of major contracts, orders with other government agencies, and miscellaneous contract type procurements. Reconciles subsidiary records to the general ledger control accounts and prepares journal vouchers for posting to the general ledger. Job Relevant Criteria: Working knowledge of double-entry accounting principles, cost-accounting and accrual accounting. Demonstrated ability to deal effectively with personnel various levels of management. Supervisory training/experience is desirable. Advancement Potential: GS-7.

File applications for the above with Tina Lowe, Bldg. 34, Rm. 206, Ph. 2723.

Ordnance Learner (Ammunition and Explosives), WG-6511-4 or Ordnance Worker (Ammunition and Explosives), WG-6502-5, JD No. 287 or 288, Code 2551 — This position is located in the Ordnance Division of the Supply Department. Performs a variety of repetitive manual and mechanical tasks in assembling, disassembling, loading ammunition, ammunition components and explosives, and in receiving, storage, and shipping of these items. Works on various types of ammunition and explosives including gun, chemical, bomb, mine, rocket, torpedo, and pyrotechnic types. WG-4 is the trainee level. Applicants must submit a supplemental experience statement; forms can be picked up in Room 212, Personnel Department. Advancement Potential: Ordnanceman (A&E-Misc.) WG-7.

File applications for the above with June Adams, Bldg. 34, Rm. 212, Ph. 3271.
Fuel Operations General Foreman, WS-54278-12, Naval Air Station Brunswick, Maine — Incumbent serves as assistant to the head of the Fuels Division, supervises the retail fuel operations at the NAS Brunswick fuel farm and the wholesale fuel operations at the CASCO Bay Fuel Farm as well as being responsible for proper receipt, storage, maintenance and issuance of all fuel from both facilities in addition to the supervision and effective operations of all aircraft refueling by the civilian contractor. NAS Brunswick merit promotion, Inc. 575 applies. Applicants should contact Mrs. Constance Gagnon by calling Autovon number 476-2303/2271, or commercial (207) 921-2303/2271.

IF YOU'RE WALKING...

While traveling afoot, if you depend on luck for safety—sooner or later you'll lose. Train your head to see that your feet don't give you a problem.



SIGNIFICANT ACHIEVEMENT — Rear Admiral R. G. Freeman III, NWC Commander, presents a safety certificate to C. P. Smith, head of the Systems Development Department, in recognition of 3 million man hours worked in the department without a lost time accident. The Skipper called the figure a significant achievement. The award covered the period from November 1970 to November 1974.

Ex-NWC Employee Now Div. Head At Naval Research Lab

Earle Kirkbride, head of the Presentations Division in the Technical Information Department at NWC from 1963 to 1973, has been named the new head of the Technical Information Division at the Naval Research Laboratory in Washington, D.C. He will assume his new duties on Monday.

Since leaving NWC in 1973, he has been on the staff of the Director of Navy Laboratories in Washington. Initially, he was a special assistant concerned primarily with technical information matters.

More recently, he has been involved in various appraisals of Navy laboratories' effectiveness, development of a Navy laboratories' annual report, headquarters coordination of a film program for laboratories of the Naval Material Com-



Earle Kirkbride

mand, and representing the DNL during dealings with seven Advanced Technical Objectives Working Groups in various warfare and technical areas.

The Technical Information Division Kirkbride will head reports to the Director, Support Services at the Naval Research Laboratory. The division has a staff of approximately 135 employees who are engaged in providing centralized professional support in the areas of writing, technical editing, technical illustration, technical library services, highly diversified photographic services, and a broad range of publications and printing services.

In addition, the division provides technical information support services to the Office of Naval Research as well as the Naval Research Laboratory.



1974 ATHLETES OF THE YEAR — Jack Lindsey (c.), master of ceremonies at the third annual Banquet of Champions, presents one of the Athlete of the Year trophies to Nancy Webster, while Max Smith (r.), who was the other individual so honored, looks on. Smith made the nominating speech for Mrs. Webster and was surprised a few minutes later when his name was announced as the co-winner of this distinctive honor.

—Photo by Ron Allen

Smith, Webster Named 1974's Athletes of Year at Banquet

Nancy Webster and Max Smith were named 1974's "Athletes of the Year" at the annual Banquet of Champions, held last Saturday evening at the Chief Petty Officers' Club.

More than 70 persons attended this third annual affair, sponsored by the NWC Special Services Division. Mrs. Webster, who was "Athlete of the Month" in July, sharing the honor with softball pitcher Billy Brown, was recognized for her golfing prowess. In addition, the versatile athlete excels in basketball, volleyball, and softball. She is an instructor of physical education at Cerro Coso Community College.

Smith, the reigning Men's Club champion at the China Lake Golf Course, was selected for monthly "Athlete" honors in August. Last year was the fourth time in five years he has won the golf title, missing only in 1973. Smith, who also is an all-around athlete, was the batting champion in 1974 for the China Lake Intramural Softball League, in addition to directing last year's IWV Softball Association tournament, as well as serving as president of the organization.

The crowd cheered the choices of the NWC Athlete of the Month Committee, who made the selections. Seated at the head table as guests of honor were Dr. Rex Shacklett, mayor of Ridgecrest, and Mrs. Shacklett; Cdr. R. B. Nygaard, Deputy Director of Supply at NWC, who was there in his capacity as chairman of the NWC Joint Navy-Civilian Recreation Council, and Mrs. Nygaard; Capt. R. S. Moore, Commanding Officer of NAF, and Mrs. Moore, and LCDr. Wayne Harper, the NAF Chaplain, and Mrs. Harper.

The NAF Chaplain delivered the invocation and benediction.

Six New Members Inducted

Another highlight of the evening was the induction of six new members into the NWC Hall of Fame. They were Robbie Fuller, Tom Short, Carol Chatterton, Roland Veon, Dr. Carl Heller and George Wright.

Short and Fuller were singled out for inclusion in the Hall of Fame for their teaching and coaching of young people in the fields of softball, baseball and Scouting. Mrs. Chatterton's selection was based primarily on her leadership activities with the IWV Swim Team and Red Cross swimming programs. Veon has been a guiding light in the formation and activities of the Maturango Milers and in the coaching of youths in track and field events.

Dr. Heller's contributions to rock and mountain climbing, both here in this valley and throughout the world, plus the fact he began the China Lake Mountain Rescue Group, were cited as reasons for his in-

duction into the Hall of Fame. Wright was very active for many years prior to his death in 1974 with Little League and working with Scouting programs. He was inducted posthumously into the Hall of Fame. His plaque was accepted by his son, Mark.

Burros Gridders Honored

Three awards honoring the Burroughs High School's 1974 varsity football team, which advanced to the finals of the Class AA CIF grid competition before losing in the playoffs, were presented by Mayor Shacklett. The recipients were Bruce Bernhardt, head coach of the Burros; Kevin Smith, quarterback, and Todd Sorbo, a tackle, both of whom were chosen on the all-CIF football first team.

Two other awards were presented by Wilt Wyman, director of sports and youth activities at NWC. The first was presented to John Watkins, sports editor of the Daily Independent newspaper in Ridgecrest, for that paper's support of Center's sports programs. The second award was given Jack Lindsey, sports writer for The ROCKETEER, for his coverage and support of the same programs. Lindsey was also master of ceremonies for the banquet.



INDUCTEES INTO NWC HALL OF FAME — Six new members in the NWC Hall of Fame were inducted during Saturday's Banquet of Champions. They are kneeling (l.-r.) Tom Short and Dr. Carl Heller, and standing (l.-r.) Roland Veon, Robbie Fuller, Mark Wright (who accepted the honor for his father, George, now deceased), and Carol Chatterton. The new Hall of Fame members were honored primarily for their teaching and work with youth in different fields of athletic endeavor throughout their lifetime at NWC.

Employee In The Spotlight

Richard F. Wisdom, the Administrative Officer for the Systems Development Department's Air to Surface Systems Division and the Walleye Program Office, is the envy of many of his compatriots for his youthful figure and healthy outlook on life.

For those who don't know, Dick's secret is running and clean living. For the past 11 years, Dick has jogged an average of four miles a day, and he misses only four or five days per year. That accounts for the trim physique. The outlook probably stems from his years as a Sunday School teacher and Lay Leader at the Ridgecrest Community Methodist Church.

"A lot of this is going to surprise some people," Dick said with a big smile.

Dick's father was a structural engineer for the American Bridge Co. at Gary, Ind., where Dick was born. At the age of 5, his family moved to Boise, Ida., and Dick was graduated some years later from Boise High School.

Served With 8th Army

He entered the U.S. Army and served with the 8th Army Headquarters for two years. Following his military service, Dick enrolled in Boise Junior College and then transferred to the University of Idaho, at Moscow.

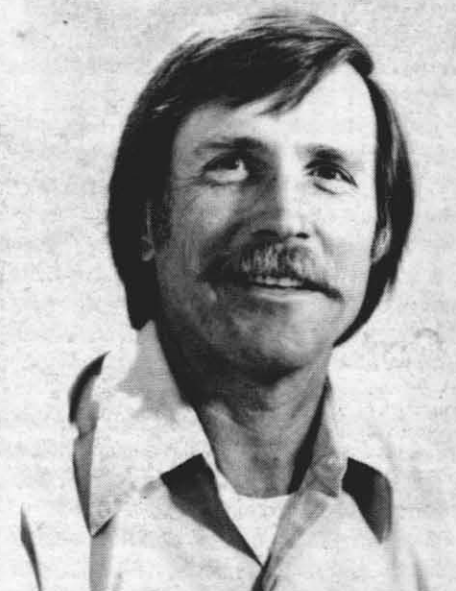
While in his junior year, Dick married his wife, Patricia, a girl he had known since she was 14 years old. "We were practically neighbors, but I didn't start dating her until I got out of the Army," he recalled.

With a wife to support, Dick dropped out of college and got a job with an architectural firm as a draftsman. He was called into the Navy in August 1950 and, as a Seabee, participated in construction for an atomic bomb test on Amchitka, one of the islands in the Aleutian chain. He also served on Guam and Tinian Islands.

Worked at Point Mugu

After his honorable discharge in January 1952, Dick went to work for the Data Reduction Group at Pt. Mugu, Calif., and toiled there for 18 months before joining the Northrop Aircraft Corp. in Hawthorne, Calif. He was employed as a flight test analyst and put in four years at that position.

In October 1957, he moved to Ridgecrest to work as a data reduction supervisor for the Associated Aero Science Labs. In 1966 he came aboard the Center as an assistant to Bill Davis on the department staff of Code 35.



Richard F. Wisdom

In 1968, Dick switched to Ed Parks' division in Code 35 as the administrative officer and moved into the Walleye Program Office (then in Code 40) in 1970.

The recent organizational realignment switched his affiliations around, but he still remains in the same job.

The Wisdoms have four children. They are Robert, 24, a student at Cal Poly, San Luis Obispo; Jeffery, 22, who is working in McCall, Ida.; Rebecca, 20, a student at Chico State College, and Mark, 19, who is employed at the GrandGood Lumber Co. in Ridgecrest.

Methodist Church Leader

In addition to his service at Ridgecrest Community Methodist Church as a teacher and Lay Leader, Dick also was the Sunday School superintendent for a time. He has been involved with his sons in Boy Scouting and Little League, and took on many responsibilities within these two organizations.

At the present time he is treasurer and a board member of the China Lake Ski Club and indulges in that hobby whenever he can. He also has trod the boards in a couple of plays for the Community Light Opera and Theater Association, and has worked on other plays backstage, handling lights and building sets.

Patricia is an instructional aide at Pierce School and also is the organist for the Methodist Church.

The couple is very active in skiing, fishing, and backpacking. Dick also likes working with wood and Patricia enjoys sewing.

AAUW To Sponsor Program of Chamber Music at College

A spring chamber music concert will be presented on Sunday at the Cerro Coso Community College Lecture Hall by the American Association of University Women (AAUW) to benefit the group's scholarship.

To be heard in the 3 p.m. concert are Shirley and Carl Helmick, who will play the harpsichord and viola da gamba, respectively; Charles Cook, Frances Simpson, Mary Bishchel and Andrew Victor, violinists; Paul Riley, pianist; Marianne Kistler, violist, and Fran Rogers, Winona Kirk and Robert Ferguson, cellists.

Vocalists will be Gred Erdman, Marlys Melstad, and Bonnie Wilson who sing tenor, soprano and contralto, respectively.

The program will include a variety of compositions by Handel, Bach, Haydn and Brahms, with lighter numbers written by Donaudy and Flotow.

Tickets are priced at \$1.50 for adults and 75 cents for children 6 through 12 years of age. They may be purchased at the Gift Mart in Ridgecrest, the Station Pharmacy, or from AAUW members.



By Jack Lindsey

Ann Morris, tournament director, reported to me that 148 youthful bowlers competed in the recently concluded Junior Bowlers' City Tournament, held Feb. 15, 16, 22 and 23.

During the first weekend, 34 teams took to the Hall Memorial lanes to compete in four different divisions. A visiting squad from Trona won the Little Giant division, scoring 1202 pins, with handicap. Team members were Kurt Kramer, Gale Henderson, Ray Haleman and Troy Rowland.

Winners in the Bantam Division were Ron Halsey, Joyce Billings, Christine Lalor and Bill Simmons with a 1934 total. Bob Branson, Dave Furstenberg, Tony Pfau and Ken Hee placed first in the Junior Division, posting a total of 2232 pins.

Senior Division champs are Pete Frederick, Ron Johanboeke, Bob Kuzmin and Mike Frederick. This quartet rolled a 2555 total.

Doubles Champions

Doubles champions in the Little Giants division are Kurt Kramer and Troy Rowland. Their total of 667 was 51 pins ahead of Kevin and Dean Allen, the runners-up. Finishing on top of the Bantam Division in the doubles category were Rebecca Carter and Tina Valdez with a 984 total. Tim Allen and Kurt Seaman placed second with 979 pins.

Mike Landis and Leonard Bologa rolled 1278 to win the Junior Division doubles crown. Mark Schoenhals and Tony Pfau notched 1122 pins for a second place finish. In the Senior Division, Cindy Delgadillo and Tom Brush tallied 1241 to win the title. Don Gallaher and Charlie Graham were second with 1195 pins.

Singles champs and runner-up in each division are as follows: Little Giants—Tim Tharpley, 329; Gale Henderson, 314. Bantams—Jeff Carson, 546; Jim Pachee, 541. Juniors—Tony Pfau, 674; Mike Lindsey, 638. Seniors—Terry Ellis, 636; Tom Alvarado, 631.

All Events Winners

For the Little Giants, Troy Rowland was the all-events winner, posting a total of 957. Gale Henderson and Tim Tharpley tied for second spot with 94. pins. Bantam all-events king was Jeff Carson, who tallied 1544 for nine games. Kurt Seaman finished second in the division with a 1507 total. In the Junior Division, Tony Pfau racked up 1824 pins to edge runner-up Mike Lindsey, who tallied 1810. Tom Alvarado won the Senior Division all-events crown with 1922 pins, while runner-up Jerry Lewis totaled 1858.

Mike Lindsey scored the high series of the four-day affair, tallying 608 scratch in the singles on games of 190, 231 and 187. He was also high man scratch for nine games, adding a doubles series of 552 and a 560 scored in team events—an average of 191 scratch over the nine-game route. Tom Alvarado bowled the high single effort of the tourney—a nice 234.

Allen Is Wrestling Champ

Terry Allen of VX-5 is the Navy's new 220 lb. West Coast wrestling champ. Read more about it next week!



FULL SPEED AHEAD — The water jump on the newly-constructed bicycle motocross course, located behind Blue Ridge Rd. on the Center, caused many of the 53 contestants in a bicycle moto-cross event held last Sunday, more than a moment's problem with flying mud and water. A number of pile-ups occurred at the jump, ending the day's racing for some. However, everyone who entered voted to "do it again." As a result, the Youth Center, co-sponsors of the event with Frisbee's Bicycle Shop in Ridgecrest, will hold similar races each month. Winners in professional and amateur categories in each age group were, respectively: Yurko Afendy and Phil Ingle, 10 and under; Jim Peck and Ricky Cooper, 11-13 years old; Ron Johanboeke and Andy Duff, 14 through 16 years of age. Each winner received a merchandise prize from Frisbee's. —Photo by Ron Allen

Volleyball League To Begin Play March 18; Rosters Due Tuesday

Pre-season meetings to discuss plans for the China Lake Intramural Volleyball League were held on Feb. 11 and 18, with a large turnout on both occasions.

League play will begin on March 18 in both the Department and Open divisions. Some of the decisions reached at the meetings by captains and players are that the teams in these divisions will play at least six weeks and possibly for a maximum of eight weeks, and that women's division teams will compete for a period of five weeks.

Entry fees charged teams will vary according to the number of games played. It was also decided that officials will be used for all games and that teams will be required to furnish their own scorekeepers. Each division will include groups made up of no more than six teams each.

League schedules will be posted as soon as divisions are made up and entry fees, which are due no later than Monday, March 10, are

paid. All team rosters must be turned in at the gymnasium office no later than 2 p.m. on Tuesday.

Teams may reserve a court for practice in the evenings and on weekends by calling the gymnasium, ext. 2334, after 11 a.m. during weekdays.

There are three separate divisions of play. These are the Department, Open and Women's divisions, which will be further divided into A, B and recreation levels, based on the participants' ability.

Players may compete in two different divisions, but there is no guarantee that their games will be scheduled on different days. If a player does sign up in two different divisions, and has two games scheduled on the same day, he may play in only one of the games.

All questions should be directed to Wilt Wyman by phoning NWC ext. 2334.

Center's Racketball Champion Shares January Athlete Honors

Lt. Phil Fossum, who is Flag Lieutenant for RAdm. R. G. Freeman III, NWC Commander, is also an outstanding racketball player. In January, the ex-squash player turned racketball contestant, won the NWC

of the month for January, sharing the honor with Marla McBride.

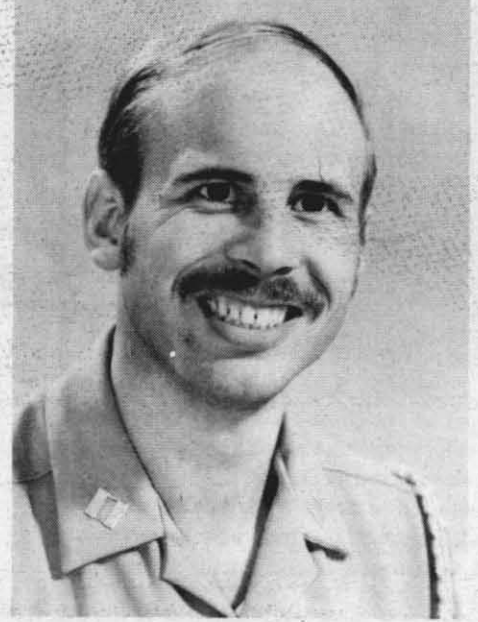
The 1968 graduate of the U.S. Naval Academy at Annapolis, Md., won the Navy's West Coast squash championship in 1973 and was also the 13th Naval District's squash and racketball champion in the same year.

Lt. Fossum took up racketball in 1973 because he felt that it was an easier game to play than squash. "I first began playing squash while in the U.S. Navy Academy and was on the national champion team in my junior year," he said. In addition, Lt. Fossum competed in the national singles while a senior at Annapolis.

Born in Yakima, Wash., he was graduated from Eisenhower High School in that city before winning an appointment to Annapolis through Congressional tests. He entered Navy Flight School at Pensacola, Fla., following his graduation from the Academy, and received his wings at Kingsville, Tex.

Prior to coming to China Lake in June 1974, Lt. Fossum was an A6 Intruder pilot with Attack Squadron 165 at Whidby Island, Wash.

He is an avid skier and plays tennis strictly for recreation. In addition, he enjoys learning how to play golf ("The desert eats my golf balls by the dozens") and likes to take flights in private aircraft.



Lt. Phil Fossum

singles racketball champion.

Because of his prowess on the handball court, Lt. Fossum was selected as co-athlete

Wilt's Corner

By Wilt Wyman

The first week of play has been completed in the NWC handball tournament.

In the winners' bracket, Claude Brown and John Gonzales defeated Don French and Dave Burdick, while the duo of Vic Rehn and Rick Roberts downed Sam Miller and Bill Hutmacher. Wayne Stowe-Vel Lillywhite beat Brown-Gonzales and Charles Vuitel-John Saitz narrowly outpointed the Rehn-Roberts team.

Rehn and Roberts knocked over French and Burdick in the losers' bracket and Brown - Gonzales dumped Miller-Hutmacher. The Rehn-Roberts combo blasted Brown-Gonzales to keep things evenly balanced. What a tournament thus far!

Basketball Playoff Results

Scores in the Division B and C playoffs of the China Lake Intramural Basketball League (as of Monday, Feb. 24) show that the Barons defeated the Pioneers, 44-38, in a Div. C contest, and the Huff 'n Puffs outscored the Other Guys, 48-36. The Barons then knocked over the Huff 'n Puffs, 38-27 to conclude Div. C play for the week.

In Division B, the NAF Hawks narrowly got by the Moby Bates squad, 62-57, while the Wallbangers won a squeaker over the Desert Motors quintet, 42-39. Then the Hawks dumped the Wallbangers, again by a very slim margin, 57-53.

Competition is really keen in Division B. The Moby Bates squad, playing in the losers' bracket, edged Desert Motors, 57-54.

Results of Bowling Rolloffs

Bowlers who won a place on the China Lake team to compete in the 11th annual Inter-Service Invitational Bowling Tournament (scheduled March 15 and 16 at the Naval Air Station, Long Beach) are Bob Banks, Bud Beltz, Skip Phearson and Tom Cox. The roll-offs took place last week at Hall Memorial Lanes.

Racketball Tournament

A doubles-only racketball tournament will begin on Tuesday, March 18. Entry forms are now available at the gymnasium. Deadline for entering is Wednesday, March 12. This will be a double elimination tournament with each team guaranteed at least two matches.

I have just received a notice about the 2nd annual Big Mother Invitational / 11th Naval District Cross Country race to be held on Friday, March 7, at NALF, Imperial Beach. The race will cover a six-mile course—from NALF to the Mexican border—and back.

All interested military personnel are encouraged to participate. For more information, call me at NWC ext. 2334.

Hideaway Softball

Team Tryouts Set

Tomorrow at 2 p.m.

Tryouts will be held tomorrow at 2 p.m. at Reardon Field for the Hideaway softball team that will represent NWC in various tournaments throughout the season.

Plans call for this squad to compete in tournaments in Bakersfield, Lamont, Newbury Park, Bishop and Long Beach, in addition to the China Lake Invitational, set for June 20.

The softballers also will participate in a number of Saturday night doubleheaders at Reardon Field and at other locations.

All ball players who are interested in joining this team, which won the China Lake Invitational tourney last year, are asked to show up for the tryouts.

Team managers are Max Smith and Frank Robinson. Practice will begin on March 8, with the first competition — the Bakersfield tournament — beginning on March 21.

Dates for the Lamont tournament are April 4, 5 and 6, and the Newbury Pk. competition is in May. The celebrated Bishop Softball Tournament will be held June 13, 14 and 15.



FORMER TECH DIRECTOR GREETED — Rear Admiral R. G. Freeman III, NWC Commander, and Dr. G. L. Hollingsworth (at left), NWC Technical Director, were two of the members of a welcoming party on hand at the NAF passenger terminal last week when an Air Force plane carrying Dr. W. B. LaBerge touched down. Dr. LaBerge, who left the post of NWC Technical Director in September 1973 to become the Assistant Secretary of the Air Force for Research and Development, was accompanied by Major General Al Slay, USAF. Dr. LaBerge was on a trip to San Diego and continued on with his flight, while Maj. Gen. Slay remained here for briefings before rejoining Dr. LaBerge in San Diego the next day. Maj. Gen. Slay is the Air Force's Director of Operational Requirements and Development Plans and Deputy Chief of Staff for Research and Development. —Photo by Tom Carter

Pedestrian Safety Program To Be Stressed Locally During March

The month of March has been designated by the Office of Traffic Safety in Sacramento as a period of emphasis on pedestrian safety.

This particular safety program is being launched in an effort to reduce the number of incidents involving pedestrian accidents, which last year claimed the lives of 861 persons and resulted in injuries to another 13,621 within the State of California.

An outline of what is being planned and done locally on this matter was presented by Billie Hise, an employee of the NWC Safety Department, during the February meeting of the China Lake Community Council's board of directors.

Council's Support Received

Mrs. Hise asked for and received the backing of the local civic group in a program that is aimed at raising money for the purchase of reflectorized tape which can be affixed with no trouble to articles of clothing—thus enabling walkers or joggers to be more easily seen by motorists when they are out for exercise after dark.

The tape holds up after washing and ironing and still retains its ability to reflect vehicle headlights, the Safety Department spokesman noted.

In an effort to help arouse additional interest in this aspect of pedestrian safety, the NWC Safety Department has available a short film entitled "Step Lightly" that has been shown to school children and at PTA meetings. Mrs. Hise also is available to present the film and a brief talk at meetings of local clubs and organizations. Those interested in arranging for her to address their group can do so by calling Mrs. Hise at NWC ext. 2367.

Service Clubs Interested

As a result of such presentations, some local service clubs have made plans to purchase a supply of the reflectorized tape for their members' use as an example of their belief in the need for putting good safety measures into practice.

"Safety rules for pedestrians might better be called guides for successful living," Mrs. Hise stated. "The penalties are imposed on us and our families only if we are caught."

"We are lucky if the penalty comes from the police. Sometimes the penalty comes from contact with a vehicle and the results are grave. These guides have been developed out of bitter accident experience," she added. They are:

(1) It is better to stop, look and listen at intersections before you cross. The driver may not see you. It is up to you.

(2) It is safer to cross at corners rather

than in the middle of the block. The driver may not be able to stop in time if you step from between parked cars.

(3) Wearing bright clothing helps the driver see you during the day. At night, reflective material "spotlights" the pedestrian so he can be seen easily.

(4) Small children and the elderly should be assisted across streets.

(5) When crossing at corners, be on the lookout for cars that are turning.

"Anticipate the worst, so you'll be prepared to avoid an accident," Mrs. Hise emphasized.

Geothermal Fluids Tested. . .

(Cont. from Page 1)

water-diluted geothermal fluid. This is comparable to the cooling water used at many geothermal plants.

The group also has an array in operation at Devil's Kitchen, which is an acid sulphate system. This is similar to the environment in and around the gathering lines of wells at many geothermal fields, and is a much more aggressive corrosion system.

The third site, now being put into operation, will be using water and steam from a 375-ft. test well which produces an alkaline-chloride brine. This also is located at the old resort.

The test arrays consist of pipes of various standard construction materials, 20-ft. in length. Half of the pipe is left as is, while the other half is slit open to leave a U-shaped conduit. "This gives us two types of corrosion in each sample," said Dr. Austim. The closed pipe is anerobic (no air available), while the other is aerated and gives the test engineers a complete sequence from air being mixed with fluid to the point where oxidation builds up.

At the first array, stress corrosion samples are now being placed on-line. These consist of many different alloys—platings and exotic materials—bent into U-shape, still under stress, while fluids and steam pass over them.

Some of the findings have shown that deep geothermal brines prove to be scale-forming as well as corrosive. The results to date are largely qualitative as the samples in the arrays have not yet been cut apart for detailed metallurgical examination.

Quantitative data to date consists of detailed chemical analyses to determine what ions are being precipitated onto or leached from each sample. The NWC

Permits Received From FCC For Installing TV Booster Equipment

The construction permits have arrived! Jim Rieger, a member of the China Lake Community Council's TV-FM Booster Committee, reported that permits from the Federal Communications Commission were received late Wednesday granting operators of the TV booster stations at Laurel and "B" Mts. permission to install seven VHF Channels and nine UHF Channels.

"Still to come is permission to install one other UHF channel plus the FM construction permits," Rieger said.

Now that the construction permits from the FCC are in hand, members of the TV Booster Committee will begin the installation of test equipment from five different suppliers of translating gear. "We will use this equipment for a 30-day period to determine which supplier we want to order the balance from," Rieger said. "Of course, the amount of money raised during the TV Booster fund drive, which is still under way, will determine exactly what equipment, and how much of it, we will buy," he added.

Total Reaches \$79,032

As of Tuesday, \$79,032, including \$255 earned at the Ridgecrest Elks Club dance on Saturday, has been donated to the drive. "We could make it to the top easily enough if all those persons who have not yet donated \$20 per household would do so immediately," said Pat Leopard, one of the principal organizers of the fund drive.

The figure of \$100,000 is needed to enable a changeover from translating equipment atop Laurel and "B" Mts. that does not meet Federal Communications Commission regulations, to equipment that does.

"We have been ordered to replace our equipment or go off the air by the FCC," said Don Stanton, chairman of the China Lake Community Council's TV-FM Booster Committee, operators of the two translating sites.

"If we don't raise the \$100,000, then we will have to purchase equipment with the funds we do have," Stanton went on. "That means one of two things—either we purchase all of the equipment and sacrifice quality for quantity, or we buy better equipment and

don't replace all of the TV channels currently being viewed locally," he said.

At the present time, the TV Booster Committee is transmitting VHF Channels 2, 4, 5, 7, 9, 11 and 13, and UHF Channel 28. Plans call for replacing all of the VHF channels and adding UHF Channels 23, 24 and 29 to Channel 28. In addition, the committee would like to be able to continue transmissions of FM Radio Stations KOST, KOTE, KFAC and add one other FM radio station not yet selected.

Cable TV Option Open

"If the committee decides to order the best equipment that is available, and doesn't replace all of the channels now being transmitted to homes in the valley, then that means that television viewers who wish to

On Sunday, an all-day moto-cross event will be held at Sage Park, located south of Ridgecrest on Hwy. 395, to benefit the TV Booster fund drive.

Mike Ayres, owner-operator of the race track, will donate all gate receipts and money earned from food and drink concessions to the drive as his contribution toward the \$100,000 goal.

receive all of the channels available will have to subscribe to cable-TV at a much greater cost than what we are asking for—provided they live in an area where cable-TV is even available," Stanton pointed out.

Not wishing to raise the spectre of free television being curtailed, Stanton nevertheless felt he had to be honest about the situation. "I feel that purchasing quality equipment is a much better way to go than buying inferior translating equipment that would have to be replaced in a few years," he noted.

Indian Wells Valley residents who have not yet donated \$20 to the television fund drive are urged to do so immediately. They should send a check or money order, made payable to the China Lake Community Council, to P.O. Box 5443, China Lake, CA 93555.

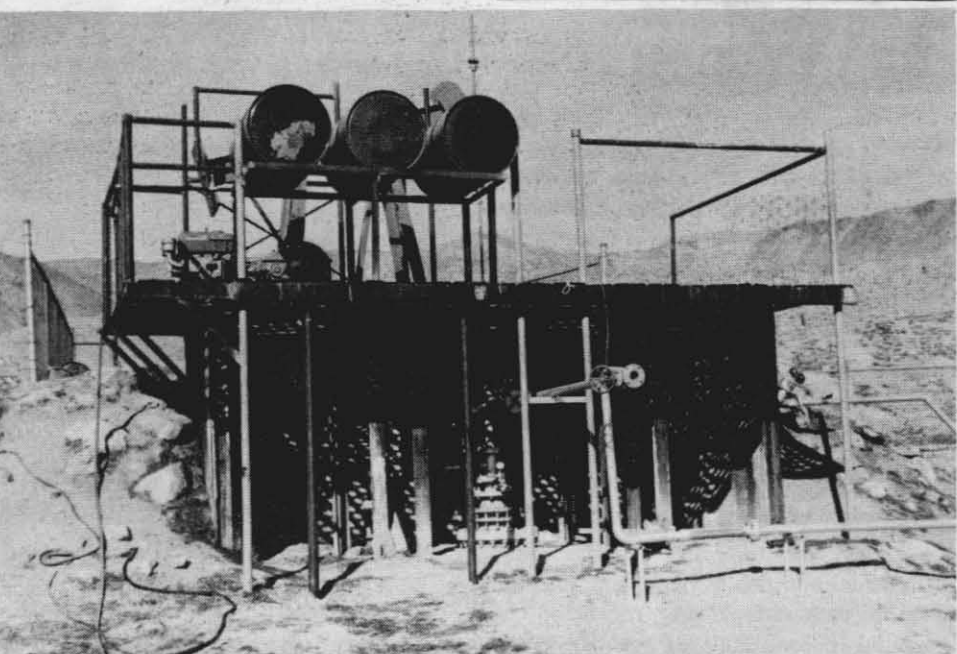
Payments for Fed'l Life

Insurance To Increase

The Civil Service Commission has approved an increase in employee withholdings and agency contributions for regular life insurance coverage under the Federal Employees' Group Life Insurance Program.

Employee withholdings will be increased from 27½ cents to 35½ cents biweekly per \$1,000 of insurance, and agency contributions will be increased from 13½ cents to 17½ cents biweekly per \$1,000 of insurance.

The increased withholding rate becomes effective on Sunday.



WELL HEAD — This array at the old Coso Hot Springs resort, called Coso No. 1, is built over a Christmas tree (well head), located beneath the structure in the center. A pump, operated by the small motor to the left on top of the array, taps the well for source material, which is piped into a storage tank (not shown), to be used for experiments and the study of geothermal corrosion. The three drums hold fuel to operate the pump.

—Photo by Tom Carter



NSAP DIRECTOR VISITS CENTER — A recent visitor to the Naval Weapons Center was Gilbert Bowen (2nd from left) director of the Navy Science Assistance Program, who was accompanied here by his deputy, Barry Pifer. The two visitors are flanked by Rear Admiral R. G. Freeman III, NWC Commander (at left), and by Dr. G. L. Hollingsworth, NWC Technical Director (on right). In addition to inspecting NSAP project work being done at China Lake, Bowen also took the opportunity to solicit nominees for NSAP field assignments with operational commands around the world.

—Photo by Maurice Dias

Mobile Unit of Houchin Blood Bank To Be at Elks' Club Tues.

The Houchin Community Blood Bank from Bakersfield will be in Ridgecrest on Tuesday afternoon for the first of its quarterly visits to the local area during 1975.

The mobile unit will be set up at the Ridgecrest Elks' Club, 201 E. Church St., between 2 and 6 p.m. on March 4.

Pints of blood that are collected will be credited to the Indian Wells Valley's Advanced Blood Fund. Donors (persons between 18 and 65 years of age) may designate to whom their blood is to be given or contribute a pint of blood to the IWW blood bank for whoever may have need for it.

The advance fund is maintained for the use of any one in the area who needs blood as the result of an accident, emergency or illness.

Donors also may request that their blood be earmarked as their contribution to a blood plan insurance policy which, at no cost, will cover any blood needed by a husband or wife and all of their children for one year.

In addition to meeting the age requirements, those giving blood must be in general good health, must not have a cold, must not have had major surgery or have been

New ID Cards Being Issued Navy People

For the first time since 1959, all active duty Navy people will receive a new type of identification card.

The new cards, which the Navy began issuing earlier this month, combine the current ID cards and Geneva Convention cards. Fingerprints, not required on the new ID's, will be replaced with a Geneva Convention code number assigned to Navy men and women according to rank.

Recruits at training centers will be the first to receive the new ID cards. All other Navy people will get new ID's when they reenlist, are sent overseas, change their pay grade, lose or damage their present card, or have had their present card four years. In any event, all Navy people will receive a new card within 18 months.

Medical and dental personnel, chaplains and their assistants will receive an additional ID card that will identify them in accordance with the Geneva Convention. The new regular ID cards will still be the familiar green color, while the additional cards for non-combatant military personnel will be white.

There will be no change to identification cards held by dependents.

pregnant during the past six months. Anyone who has ever had hepatitis, cancer, tuberculosis, heart disease, diabetes or syphilis is banned from giving blood.

Kay Thoms, chairman of the Advance Blood Fund for the Indian Wells Valley, reports that in addition to the Houchin Community Blood Bank personnel from Bakersfield who will be here next Tuesday, assistance also will be provided by members of the Elks Lodge and Emblem Club, by local doctors and the Indian Wells Valley Nurses Club, the Community National Bank, and members of Beta Sigma Phi sorority.

Prospective blood donors will be checked by a doctor or nurse at the blood bank, and are asked not to eat any dairy products or fatty food within three hours prior to the time they donate blood.



GUEST SPEAKER — The 1975 observance of National Engineers Week was highlighted by a dinner held last Friday night at the Commissioned Officers' Mess. Principal speaker at this affair, which was attended by more than 100 persons, was A. L. Ottum (shown above), whose subject was "Solar Energy Systems Design and Application." Ottum's talk tied in with the National Engineers Week theme, "Exploring New Energy Frontiers." In addition to the talk by Ottum, who is the chief for the Solar Con Division of the Solar Conservation Corp. in Los Angeles, other participants in the program were Dr. G. L. Hollingsworth, NWC Technical Director, and William J. Werbeck, master of ceremonies.

Fleet Support Assignments. . .

(Continued from Page 1)

Systems Division, left last September for a year's assignment at Taipei, Taiwan, where he is serving as science advisor to the Chief of the Military Assistance Advisory Group. He went to Taiwan to assist the Republic of China with the modernization of its destroyer fleet.

Recently R. A. Miller, head of the Propulsion Development Department's Propulsion Systems Division, was selected as science advisor to the Commander-in-Chief, Atlantic Fleet, and will report to Norfolk, Va., for a year's tour in mid-June.

Miller will provide assistance to CINCLANT Fleet personnel, primarily in the area of weaponry, by maintaining close liaison with Navy laboratories and the technical community. An example of such assistance would be the instigating of NSAP programs to furnish prototype equipment needed by CINCLANT Fleet. Secondary to his role as science advisor, he has been asked to assist members of the Deputy Chief of Staff for Readiness and Resources on matters related to Tactical Development and Evaluation programs.

NSAP LAB REPRESENTATIVES

In addition to the science advisor posts, the Navy Science Assistance Program supports laboratory representatives at various commands having science advisors.

Generally, lab representatives are GS-12 to GS-14 level personnel who (1) have had experience in operations or mission analysis, (2) are especially knowledgeable in anti-submarine, anti-air or electronic warfare, or (3) have considerable expertise in a particular type of hardware or weapon system.

Lab representatives are requested by each Command through their science advisor, but usually work as a member of one of the Command's staff divisions.

Baer, who had been the senior project engineer and associate head of the Telemetry Branch in the Test and Evaluation Department's Instrumentation Support Division, left NWC last September for his present lab representative duties as an electronic warfare analyst assigned to headquarters of the Commander, Third Fleet, at Ford Island on Oahu in the Hawaiian Islands.

In his NSAP assignment as a lab representative, Baer serves as an expert on

electronic warfare and works as an analyst on many of the Third Fleet's projects in the EW area. In addition, he is deeply involved in the planning of Third Fleet exercises that call for expertise in electronic warfare.

FLEET EXERCISE

OR PROJECT ASSIGNMENTS

Within the next few weeks, five NWC representatives will be serving in this role when they join Third Fleet exercises forces in Hawaii to participate in RIMPAC-75, a major, multi-national exercise involving the U.S. and its allies around the rim of the Pacific—Canada, Australia and New Zealand. Those slated to take part in this activity are LCDR. J. R. Darwin, military assistant in the Surface Missiles Department; Dave Newport, an operations research analyst in Code 31's System Analysis Office; and Frank Buffum, Mike Stephens and Bill White, all from the Weapons Planning Group.

NISC ASSIGNMENTS

In addition to the foregoing, the Center also has a program of one-year rotational assignments with the Naval Intelligence Support Center (NISC) in Washington. Each year, two NWC scientists go to NISC and one NISC analyst comes to China Lake.

Currently, George Maxfield, an expert in the field of electro-optics, is here from NISC. His assignments within the Center are being coordinated by the Weapons Planning Group. Since his arrival last August, he has spent three months working on intelligence information requirements with the Systems Development Department's Infrared Optics and Measurements Division, and is now involved in laser work with the Directed Energy Weapons Branch of the Aircraft Systems Department's Advanced Aircraft Systems Division.

At the present time, Stuart Breil, a physicist with the Applied Analysis Branch of the Propulsion Development Department's Advanced Technology Division, and Reuel Launey, of the Weapons Planning Group, are the NWC employees assigned to NISC. Tom Rindt, also with Code 12, has been selected to replace Launey shortly when his tour in Washington will be completed.

Make Interest Known

"Field assignments" to Fleet Command or to NISC are important ways for NWC scientists to broaden their perspective on real world problems. NWC frequently is called on short notice to find a nominee with a specific background and grade level, but there also are occasions when more time is allowed for such nominations. In certain cases, the Center's nominees compete with candidates from other Navy laboratories for an assignment.

In order to establish a broader base of candidate personnel for such assignments, those interested are asked to contact Frank Buffum, NSAP coordinator (Code 1203) by calling NWC ext. 2419 or 2006. Individuals who do so will be asked to fill out a brief form about their background. This file of interested personnel will be used to solicit volunteers for future assignments.

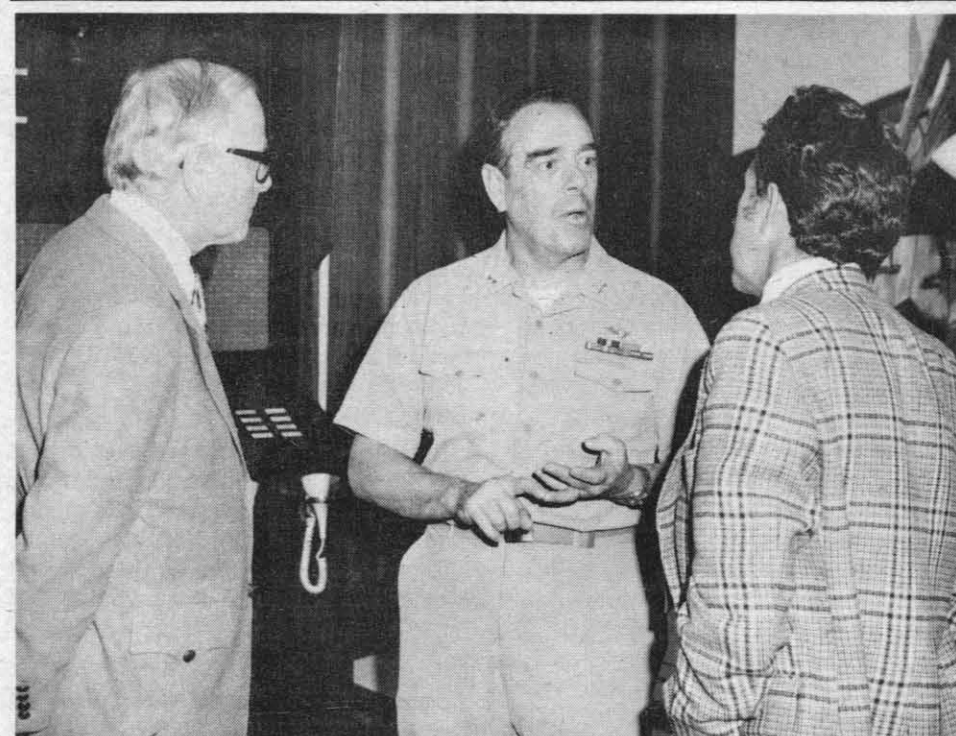
Cooperation Asked In Revising Rocketeer Distribution List

NWC's recent organizational realignment has resulted in a number of personnel shifts from one department or division within a department to another.

Because employees and military personnel at the Center receive their copies of The ROCKETEER via guard mail each Friday, it is necessary to keep the distribution list up-to-date, but this can only be done with the cooperation of the newspaper's guard mail addressees.

It would be appreciated if any departments, divisions or branches now receiving more ROCKETEERS than they need would contact Diane Coryell, editorial assistant, by calling NWC ext. 3354 or 3355.

Similarly, for those who, because of shifts in personnel, are not receiving a sufficient number of ROCKETEERS, Mrs. Coryell is the person to call to correct this problem.



HIGH LEVEL DISCUSSION — Rear Admiral R. G. Freeman III, NWC Commander (c.), makes a point during a discussion with Dr. Thomas Caywood (l.), chairman of the Gun Systems Acquisition Review Panel, and Dr. William Semecka, a panel member and manager of the Northrop Aircraft Corporation's Tactical Systems Department (Electro Mechanical Division) during a visit last week. Three of the four panel members were here to review China Lake's involvement in the gun system acquisition process, primarily in the Aircraft Systems Department, headed by Dr. M. M. (Peggy) Rogers. While here, the visitors also met with Bill Haftabaugh, head of the Test and Evaluation Department, and Bob Hillyer, who is head of the Fuze Department. Accompanying the group as a member of the panel was Dr. Bill McLean, former NWC Technical Director.

Quality Control Conference Set Saturday At Citrus College; Reservations Needed

Advance reservations can still be made for the 18th annual Quality Control Conference of the American Society for Quality Control (ASQC), which is to be held tomorrow on the Citrus College campus in Azusa.

Among the principal speakers at this event will be Charles Williams, vice-president in charge of product safety and quality assurance for Mattel, Inc., whose subject will be "Safety in the Market Place," and Jack Moore, a Southern California Edison Co. vice-president, who will discuss "New Horizons in Quality Assurance."

Among the many speakers at various

technical sessions of the conference will be Robert Sheckler, vice-chairman of the Sierra Sands Sub-section of ASQC, whose talk is entitled "Counseling: An Inspectable Service."

There is a \$10 advance registration fee for the conference. This amount covers a continental breakfast, luncheon and six technical sessions on such varied topics as nuclear power; food, drugs and cosmetics; military systems quality assurance, and consumer products and services.

Ed Gunn, of Systems Consultants, Inc., who is handling advance registration for the conference, can be contacted by calling 446-3501.

Monday Final Day To Register For College Level Exams

Registration will be taken today and on Monday from persons interested in taking the nationally-standardized College-Level Examination Program (CLEP) exams that will be administered at Cerro Coso Community College.

The CLEP general examinations will be held during the morning of April 5, while the subject examinations will be conducted that same afternoon.

Individuals interested in taking any of these exams can obtain a registration form at either the Burroughs High School or Cerro Coso College counseling centers.

The completed forms, accompanied by the appropriate testing fee (\$15 for one or \$30 for any combination of two or more general exams, and \$15 each for the subject examinations), must be turned in to Mrs. Lois Hinman at the college counseling center by the March 3 deadline.

The general exams are objective tests that measure achievement in five basic areas of liberal arts. They are English composition, humanities, mathematics, natural sciences and social sciences and history. Each exam has a time limit of one hour. The subject exams measure achievement in specific college courses.

Most colleges and universities accept passing scores on many of the exams and award appropriate credit up to a maximum of 30 semester units on any degree program. The latter is true of both Cerro Coso Community College and Cal-State Bakersfield, as well as other educational institutions.

HAPPENINGS AROUND NWC

A joint meeting of the China Lake Model Aircraft Club and members of the Experimental Aircraft Association's Chapter No. 46 will be held at 7:30 p.m. next Thursday, March 6, in the Sidewinder Rm. of the Community Center.

The evening's program will feature a motion picture and film slide show about the "Vari-Viggen," an aircraft that can be built at home.

Burt Rutan of Mojave, an engineer who designed the "Vari-Viggen," also will display a model of the full-size aircraft while he is here to present the program on March 6.

Dance Slated at COM

Plenty of exciting events and things to do fill the Commissioned Officers' Mess calendar these days, reports Drake Dierkhising, club manager.

Tonight, the Caravan will supply music for dancing, beginning at 9 o'clock. Prior to the dance, Shrimp a Peel will be the specialty of the dining room.

Phil Holbert will provide guitar music for diners this evening and again tomorrow night.

Dierkhising also asked that club members not forget the beginners' bridge classes being conducted by Mr. and Mrs. Charles Dye on Monday evenings. Members interested in learning how to play bridge can contact the Dyes by calling 446-3655.

Happy hour prices prevail on Wednesdays in the dining room. Price of the Wednesday family dinner special is \$2 until happy hour ends at 7 p.m. Children's prices are \$1.25.

Job Instructor Course

A course in Job Instructor Training is being offered next Friday, March 7, from 8 a.m. to 4:30 p.m. in Rm. 101 of the Training Center.

Dr. Robert G. Williams of Guthrie Associates, is the instructor.

This course will provide an opportunity for the development and improvement of job instruction capabilities. Topics will include the learning process, the forgetting process, teaching methods, use of teaching aids, and many more.

The workshop is designed to develop skills of both the leader (supervisor) and the

learner (subordinate).

Interested persons should call the Training Center at NWC ext. 2359.

NWC Fellowships Open

Applications are now being taken from Naval Weapons Center employees who are interested in NWC Fellowship grants that will begin with the summer or fall term of the 1975-76 academic year.

The Center's Fellowship Committee will consider applications for any area of study that relates directly to NWC program requirements and has prior approval of the individual applicant's department management.

Employees interested in advanced study in the fields of engineering administration and systems acquisition are especially encouraged to apply for an NWC Fellowship.

Additional information can be obtained by calling Dr. Gilbert Plain, the Education Director, at NWC ext. 2641, or the Training Center, ext. 2648.

Applications for NWC Fellowships must be received by March 15 by the Education Director, Code 6009.

Clean-up Program Set

The "Great Rake," a statewide clean-up project sponsored by the California Garden Club, Inc., under the guidance of Dorothy Copeland, California State Litter Control chairman, will be held between 10 a.m. and noon tomorrow throughout California.

Two local garden clubs — the Oasis Garden Club of Indian Wells Valley and the Desert Planters — will join forces to clean the area behind the new Kern County building on China Lake Blvd.

All clubs and organizations interested in working for the betterment of the community are invited to select an unsightly, littered area, and participate in this worthwhile project, by also performing similar work.

Star Gazers To Meet

Don Kusterer will discuss the NASA Viking mission to Mars, which is scheduled for launching in the summer of 1976, at the next monthly meeting of the China Lake Astronomical Society at 7:30 p.m. Monday. The get-together will be held at the clubhouse, 401-A McIntire St.

Kusterer's program includes a 28-min. color film entitled, "Small Steps — Giant Strides." This film is narrated by Isaac Asimov, well-known science fiction writer, and was produced to honor the 15th anniversary of the National Aeronautics and Space Administration, which was held in 1973.

All interested persons are invited to attend.

New Rate Schedule Takes Effect Sat. At Child Care Center

A new rate schedule will go into effect at the Child Care Center tomorrow.

Families whose incomes are under \$7,600 per year, after deducting \$600 for each dependent child (after the first one) enrolled at the Center, will benefit from special rates offered by the facility.

The first child enrolled at the school on a weekly or monthly basis will cost such families 50 per cent of the regular rates, while a further percentage reduction is available for each additional child.

New hourly rates are to be as follows: Children between the ages of 29 months and sixth grade—45 cents for the first child and 40 cents for each additional child. Infants who are between 3 and 28 months of age—75 cents per hour for the first child and 50 cents for each additional child.

Snacks will cost 25 cents and lunch is priced at 60 cents.

Persons who wish more information on the new rates should call 446-2961.



OPEN SHOP AVAILABLE — Three customers are shown using different equipment now available in a newly-opened machine shop area, located in a fenced-off portion of the Michelson Laboratory machine shop. The new Open Shop is under the management of Earl Sturdy, head of the General Machining Branch of the Engineering Department. Anyone qualified to operate the equipment will be allowed to use it for small jobs. Shown above are Bill Hobaugh (wearing shop coat), Dan Branson, using the mill, and Don Jones, operating the lathe. An additional open shop is located in Building 158 at Salt Wells. It is under the management of William Danley, head of the Salt Wells Shop Branch. In the inset photo are Dale Randle (l.) and Bill Cooper, head of the Engineering Department's Engineering Prototype Division and Assistant division head, respectively. Randle is handing Cooper a pair of safety glasses prior to showing him around the division's new shop.

—Photo by Ron Allen