

**Curtain will rise on CLOTA's 'Sugar' next Friday night**

"Sugar," the Community Light Opera and Theater Association's first musical of the 1976 season, will open next Friday night, March 19, at the Burroughs High School lecture center.

Curtain time on opening night, and on all other performance dates — March 20, 25, 26 and 27 — will be 8:15.

Tickets for "Sugar" are priced at \$3 for adults and \$2 for students and enlisted military personnel. They may be purchased at the Station Pharmacy, or the Medical Arts Pharmacy, the Imporium, and Gift Mart, all in Ridgecrest. Arrangements for block seat reservations for ten or more persons may be made by calling Eleanor Lotee at 446-4324.

Based on Popular Movie

"Sugar" is a musical version of the film "Some Like It Hot," which starred Marilyn Monroe, Jack Lemmon and Tony Curtis. Its story concerns two musicians who witness a gangland slaying in Chicago of the 1930s. In order to avoid detection, they must dress up as girls and join an all-girl band traveling to Florida.

There is humor aplenty for the whole family to enjoy when the two female impersonators meet the voluptuous Sugar, who just can't say "no."

The musical comedy is directed by Gail Falkenberg, an NWC filmmaker who recently completed the environmental film "Desert Stewardship."

Highly-Experienced Cast

Heading the cast are highly-experienced, award-winning thespians in the local community. The two female impersonators will be portrayed by Alex Bellen and Fred Stahlman, who have both won Best Actor awards in other CLOTA productions.

Sandee Schwarzbach, who will play Sugar, was named the outstanding thespian in her Burroughs High School graduating class. Suzanne Koerschner, the band leader Sweet Sue, has won Best Actress awards for CLOTA's "Plaza Suite" and "The Lion in Winter."

More valley stalwarts round out the cast. Alan Kubik, who has the role of the millionaire Sir Osgood Fielding, is the drama instructor at Burroughs High School. I. Rudyard Stone, who will play Bienstock, has a long list of credits for China Lake Players' shows.

The trio of gangsters will be portrayed by Loren Dorrel, Ralph Vuono and Don Tilford. Girl band members will include Nancy Miller Nowak, Debby Wheeler, Karen Buehler, Jan Austerman, Bonnie Irvine, Julie Pennington and Stephanie Halen.



**PERFORMANCE SLATED** — The Philharmonic Wind Quintet, composed of members of the Los Angeles Philharmonic-Hollywood Bowl Orchestra, will perform in the Cerro Coso College lecture hall on Monday at 8 p.m. Tickets for the presentation are on sale at the Gift Mart, the Station Pharmacy at China Lake and at the college business office. They also will be available at the lecture center door on the night of the performance. General admission is \$2 and ASB cardholders will be admitted for \$1. The program will include works by Americans Charles Ives, Scott Joplin, Irving Fine and Dan Kingman and the classical composers Danzi and Reicha. Pictured are quintet members (l.-r.) Kalman Bloch, clarinet; Alan Goodman, bassoon; Roland Moritz, flute; Ralph Pyle, French horn; and Donald Muggerridge, oboe.

**Annapolis Brass Quintet to present varied program at Center theater**

The Annapolis Brass Quintet will present a program of American, German, Italian and English music during a concert at the Naval Weapons Center theater on Thursday, March 18.

Cost of reserved seat tickets is \$6 each except for persons under 21 years of age, senior citizens 65 years of age and over, and enlisted military personnel, who will be admitted for half price.

Advance seat reservations may be made by calling the sponsor of the event, the Indian Wells Valley Concert Association (375-5600), at any time. If no one is in, an answering machine will take the name, telephone number and message of the caller.

Tickets will also be available at the theater box office on Monday, Tuesday and Wednesday, from 4:30 to 6 p.m., and on March 18 from 4:30 to 7:30 p.m.

The evening's program will include works by Daniel Speer, Ludwig Maurer, W. Francis McBeth, Scott Joplin, Igor Stravinsky, Karl Pilss, Michael East, Alan

Hovhanness, Claude LeJeune, Samuel Scheidt and Giovanni Gabrieli.

In addition, there will be bicentennial brass arrangements of "The President's March," by Philippe Phile, "Gavotte," by Alexander Reinagle, "The Toast," by Francis Hopkinson, and the traditional "Yankee Doodle."

The widely-traveled group holds the distinction of being America's only full-time brass quintet.

Members of the quintet are David Cran, Duluth, Minn. (trumpet); Robert Suggs, Ponca City, Okla. (trumpet); Calvin Smith, Buffalo, N.Y. (horn); Tim Beck, York, Pa. (trombone); and Robert Posten, the Pocono Mts., Pa. (bass trombone).

**Desert Ceramic Club annual show slated at Community Center**

The Desert Ceramic Club will conduct a free public show in the Community Center's Cactus Hall on Sunday and Monday.

The show, whose general chairman is Peggy Flagg, is entitled "American Heritage Through Ceramics."

On Sunday, the show will begin at 4:30 p.m. and conclude about 8. On display will be nearly 200 ceramic pieces entered by club members. All judging will have been completed and trophies awarded by the time the show begins.

On Monday, the show will open at 10 a.m. At 11 o'clock, Inez Whittington will lecture on and demonstrate the pouring of ceramics, following liquid clay from mold to the firing of the finished piece. (She will not demonstrate the firing of the clay, however.)

There also will be a one-hour demonstration of hand modeling of clay at noon by Lula Mae Pangle. The show will continue until 6 p.m. and every member of the visiting public will have the opportunity to vote for the "Best of Show" trophy, which will be awarded at a meeting of the membership and announced publicly later.

Handmade ceramic pieces will be awarded as door prizes during the show. In addition, a sale of ceramic items made by club members will be held while the show is under way.

**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. 12 MARCH

"A WOMAN FOR ALL MEN" (95 Min.)

Keenan Wynn, Judith Brown (Romantic Melodrama) An elderly millionaire widower marries a young woman in Las Vegas and brings her back to his beach home, where she quickly develops a romantic alliance with one of his sons. (R)

SAT. 13 MARCH

"HOW THE WEST WAS WON"

All Star Cast

Rated G

SUN. 14 MARCH

"ROOSTER COGBURN" (107 Min.)

John Wayne, Katherine Hepburn (Western) One-eyed Deputy Marshall Rooster Cogburn is relieved of his duties when the judge (John McIntire) believes that Rooster has become gun-happy. Following an ambush ending in the slaughter of a cavalry unit, Rooster gets reinstated just to track down the culprits. The district judge tells Rooster there is a \$2,000 reward and if he can capture the outlaws he will redeem himself. (PG)

MON. 15 MARCH

"AMAZING GRACE" (99 Min.)

Moms Mabley, Slappy White (Comedy) A black woman masterminds a campaign against a corrupt local politician. (G)

TUE. 15 MARCH

"TAKE A HARD RIDE" (103 Min.)

Lee Van Cleef, Jim Brown, Fred Williamson (Western) Ranch hand Jim Brown sells a herd of cattle for thousands of dollars but he runs into trouble when he tries to return the money to the town. It seems that everyone in the town is aware that he is carrying the money, including gambler Fred Williamson, who endeavors to steal the cash from Brown. After some misgivings the two join forces to stop the other vultures who are out to get the money. (PG)

WED. 17 MARCH

"THE STEPFORD WIVES" (115 Min.)

Katherine Ross, Paula Prentiss (Drama) When a husband and wife move to a suburban community, the wife notices that most of the other women are completely subservient to their husbands. She then tries to find out the reason for their behavior. (PG)

THURS. 18 MARCH

ANNAPOLIS BRASS QUINTET

Presented by the Indian Wells Valley Concert Ass'n

FRI. 19 MARCH

"REPORT TO THE COMMISSIONER"

(112 Min.) Michael Moriarty, Yaphet Kotto (Crime Drama) A New York City police drama based on the best-selling novel by John Mills, which points a sharp finger at police bureaucracy and attempted cover-ups. Rookie Michael Moriarty is assigned as a hippie undercover policeman. Trying to do a conscientious job, he becomes involved in the murder of another undercover policeman and finds he has been set up by his supervisor as a fall guy. (PG)

Special at snack bar

The Snack Bar at Bennington Plaza is now offering 25 cents off on complete breakfasts served on Sundays from noon until 2 p.m. Patrons will have a choice of either ham, bacon or steak with two eggs, hash brown potatoes, toast and coffee.

Sunday hours of the snack bar are from noon until 6 p.m. Its regular hours, Monday through Saturday, are 10 a.m. to 6 p.m.

U.S. Government Printing Office: 1976 - 642 / NG410

From: \_\_\_\_\_

To: \_\_\_\_\_

PLACE STAMP HERE



Naval Weapons Center  
China Lake  
California

St. Patrick's Day Fete . . . . . 2  
Reserve Seabee of Year Honored . . . . . 3  
NWC Employee Writes Book . . . . . 4  
New Air Monitoring Station . . . . . 5  
Sports . . . . . 6  
Little League Tryouts Set . . . . . 7  
Annapolis Brass Quintet Concert . . . . . 8

**TV/FM system fund drive off to good start**

The month-long drive to raise funds needed for maintenance and operation of the TV / FM booster system is off to a good start, it was reported at Tuesday night's meeting of the China Lake Community Council's board of directors.

Between the time the drive was announced last Friday and the first report on contributions that covered up until noon on Monday, a total of \$427 was received.

"This is a very good return for the first few days of the fund drive, and the response is appreciated," Wilt Wyman, president of the Community Council's board of directors, stated.

"If the excellent start is any indication of the eventual outcome of this month-long effort, there is a high probability the campaign will be a success," Wyman added.

Present Cost Per Year

At the present time, the cost for labor and parts to keep the community's TV / FM booster station in good operating condition is running at right around \$4,000 per year.

To make it unnecessary for the China Lake Community Council's TV / FM Committee to conduct yearly fund-raising drives to meet the maintenance and operating costs of the TV / FM booster system, Indian Wells Valley residents are now being asked to contribute \$5 per household in order to raise \$20,000 — a sufficient amount to meet this need for the next four to five years.

Those who are benefitting by the improved TV / FM reception made possible by installation of new equipment can do their part to help insure quality reception of telecasts and FM radio programs by sending \$5 per household to P. O. Box 1795, Ridgecrest. Checks or money orders should be made payable to the "TV Booster."

Bob Fletcher, chairman of the Community Council's TV / FM Committee, reported at Tuesday night's meeting of the local civic group that the possibility of incorporating the community's TV / FM system under the local civic group's articles of incorporation is being explored at this time.

If this is permissible, all local area residents donating to the upkeep of the system would become voting members of the corporation and have a voice in its future activities.

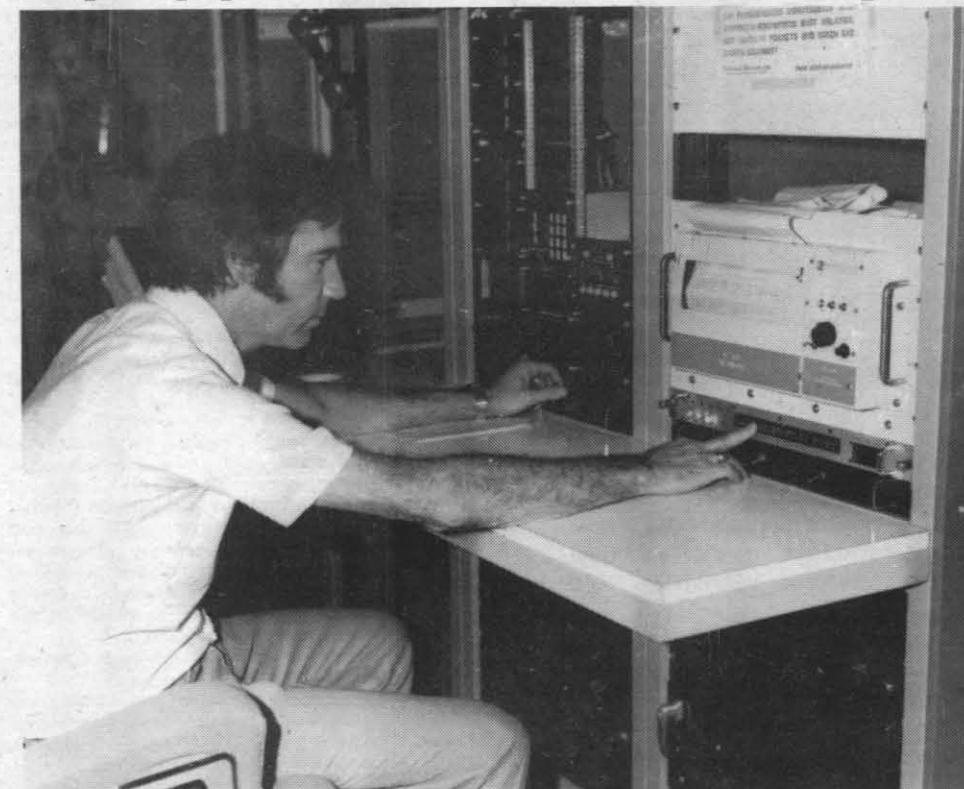
**Candidates for 2 openings on CLCC board now sought**

Candidates are now being sought to fill two vacancies on the China Lake Community Council's board of directors.

Announcement was made at Tuesday night's meeting of the local civic group that Aletha Benson has resigned and, because she will soon be moving away, Gail Richards will be ineligible for membership on the CLCC board.

Anyone 18 years of age and over who resides at China Lake is eligible to serve as a member-at-large on the Community Council's board of directors. Those interested in being considered for membership on the board are asked to contact Bob McCarten, secretary, before Friday, March 26, by calling him at either NWC ext. 7243 or 446-2457.

**Aircraft used for research in Antarctic equipped with data acquisition system**

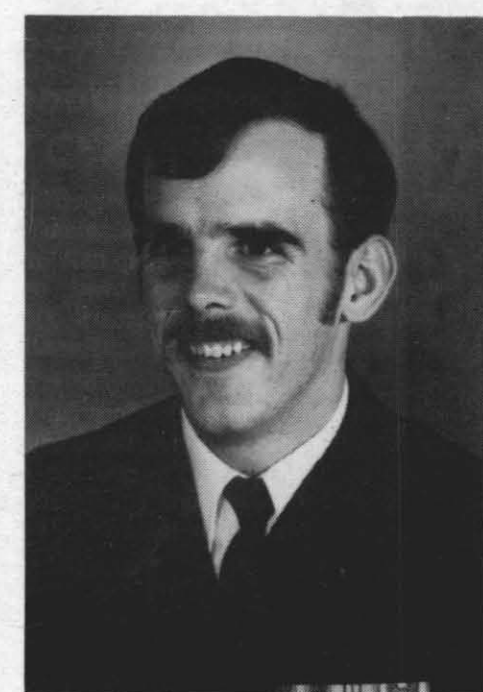


**SPECIAL EQUIPMENT INSTALLED** — Sam Schoenhals, a project engineer in the Test and Evaluation Department's Airborne Instrumentation Branch, checks readings being taken from the NWC-developed data acquisition system that has been installed in a huge cargo aircraft, the LC-130R Hercules.

**ADJ2 Roger McEntee selected as NWC's Bluejacket of Month**

Aviation Machinist Mate Second Class Roger J. McEntee of the Naval Air Facility has been selected as the NWC Bluejacket of the Month for March.

ADJ2 McEntee is assistant shop supervisor for the Aircraft Division's Check Crew, which performs scheduled maintenance on a wide variety of planes. His job



ADJ2 Roger J. McEntee

is to control the work on all aircraft within the shop, assign work on them and keep the necessary paperwork in order.

The 23-year-old sailor says of his job, "I like it fine, particularly because of the responsibility I have now. And I'm working with a good bunch of guys, and that helps a lot."

His shop supervisor, Chief Aviation Machinist Mate Joseph McClain, said of him, "Although he has limited experience as an aviation machinist mate he is quick to accept any challenge presented to him . . . Petty Officer McEntee reports to work long before his shipmates so he can schedule the

**Huge plane used to aid work of Nat'l Science Foundation**

A LC-130R Hercules, used by personnel of Operation Deep Freeze in support of National Science Foundation research in the Antarctic, is scheduled to leave the Naval Air Facility today.

The aircraft has been here two weeks for installation of an NWC-developed data acquisition system that will be used for gathering a wide range of information needed for such things as direct and remote atmospheric parameter sensing, biological research, geomagnetic-field mapping, remote oceanographic and glaciological research and for photo mapping.

Personnel of the Airborne Instrumentation Branch in the Test and Evaluation Department's Project Engineering Division installed this latest item of complex equipment in the huge aircraft in order to make it possible for airborne measurements to be taken from an aircraft during flights over the vast Antarctic region.

Used by Hurricane Hunters

According to Maurice Hamm, head of the Airborne Instrumentation Branch, the data acquisition system was developed here originally for use by Navy hurricane and typhoon hunter squadrons.

This system has the capability of recording or displaying up to 100 channels of information to those on-board the aircraft who are involved in gathering scientific data. This information can either be recorded on magnetic tape, on a line printer, or displayed on light-emitting diode displays, Hamm explained.

The personnel in his branch (Code 3712) have been busy modifying the aircraft by adding a true airspeed computer, a dewpoint hydrometer, and changing the radar altimeter to a digital altimeter.

Other Equipment To Be Added

Later this year, other equipment is to be added to the aircraft that will measure incoming energy from the sun and outgoing energy from the ground; the rate of absorption of energy from the sun; and a downward pointing, low-frequency radar is to be installed for ice thickness measurements.

Also, before heading back to the Antarctic



**USED FOR RESEARCH IN ANTARCTIC** — This National Science Foundation aircraft, now equipped with a data acquisition system, will be used for gathering a wide range of information that will aid research work being carried out in the Antarctic. —Photos by Ron Allen



—Photo by John Dunker

**OPENING NIGHT NEAR** — The fun begins in "Sugar" when Alex Bellen (left) and his musician partner Fred Stahlman join an all-girl band to escape a trio of Chicago gangsters. Along the way they meet Sandee Schwarzbach, who will be seen in the role of "Sugar," the girl who just can't say "no." The show will be staged on March 19, 20, 25, 26 and 27 at the Burroughs High School lecture center.





RADOME TECHNOLOGY WORKSHOP HELD — A series of briefings and a workshop on radome and infra-red dome technology was held here from March 1 to 5 in order to develop plans and recommendations for work related to dome structures and materials.

Benefit dance set by Jewish Women's Club

A Purim masquerade dance sponsored by the Jewish Women's Club of the All-Faith Chapel will be held on Friday, March 20, at the Community Center from 8 p.m. until midnight.

The evening's entertainment will include music by two bands — the Mojave Greens and the Tempos — and belly dancing by Caren Diebold.

Proceeds of the dance will go to the Jewish Blind of California, a Los Angeles organization formed to help alleviate the social, cultural and religious isolation of the Jewish blind. It is now trying to create a home for the elderly Jewish blind.

There will be prizes for the best costumes and door prizes given out during the evening. There also will be a no-host bar.

Joanne McCormick has volunteered to make some costumes. She can be contacted by calling 446-4239. There is also a local rental service available, Donna Baker's Dance slated at COM

The Dan Lydon Quartet will be featured at a St. Patrick's Day dance to be held at the Commissioned Officers' Mess next Wednesday, March 17, from 7 to 11 p.m.

On the menu that evening will be Irish beef stew and hot biscuits, served from 7 to 10 o'clock. Reservations for the event may be made by calling the COM at 446-2649.

The Rocketeer

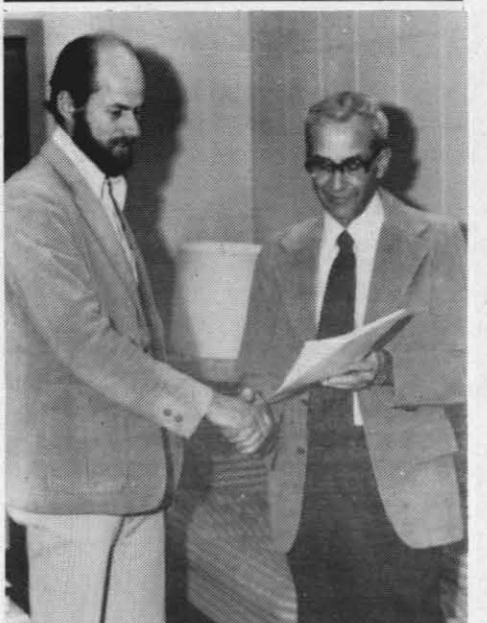
Official Weekly Publication - Naval Weapons Center, China Lake, California. RAdm. Rowland G. Freeman III, NWC Commander. Dr. G. L. Hollingsworth, Technical Director. C. E. Van Hagan, Head, Technical Information Department. Don R. Yockey, Editor. James J. Stansell, Associate Editor. Terri Jacks, Editorial Assistant. Ron Allen, Staff Photographer.

NAVAL WEAPONS CENTER CHINA LAKE, CALIFORNIA. DEADLINES: Tuesday, 4:30 p.m. Tuesday, 11:30 a.m. News Stories. Photographs. The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. 3254, 3255, 2247. Phone.

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 652, 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 771 or 772 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 456 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-116, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

- Quality Assurance Specialist, GS-1910-9, PD No. 7555128-1N, Code 5582 — This position is located in the Quality Assurance Branch, Engineering Department. Incumbent participates in the review of contractual quality assurance requirements of complex items for weapon and/or missile and ammunition systems and associated equipment related to a total project; reviews hardware drawings and documentation from a producibility, quality assurance, and inspectability viewpoint; investigates quality problems to ascertain their cause, scope, and effect as to end item integrity; performs periodic reviews on all aspects concerned with the contractors' quality program. Job Relevant Criteria: Must have thorough knowledge of standard sampling plans and procedures to evaluate statistical data, discrepancy and deficiency reports; experience in production, manufacturing and quality control as applied to industrial technology; must be knowledgeable in manufacturing processes, production planning, fundamentals of design and production inspection for an overall quality control system. Secretary (DMT), GS-318-5, PD No. 7355163, Code 52303 — This position is that of secretary in the Harpoon Production Office. Duties include screening of visitors; calls, making appointments, reading and distribution of correspondence, drafts, memos, composing correspondence, reports on statistical and informative material, and performs basic editorial duties. Job Relevant Criteria: Thorough understanding of Navy, Navy and DoD correspondence, filing and security procedures; proficiency with dictating machines; must be able to operate magnetic tape typewriter, experience in dealing with variety of people, and ability to operate on own initiative and without much supervision. File applications for the above with Carol Downard, Bldg. 34, Rm. 204, Ph. 2925. Planner & Estimator (General), WD-4701-08, JD No. 404, Code 7081 — This position is located in the Maintenance Control Division of the Public Works Department. The incumbent provides detailed manpower/material estimates in support of facility maintenance for the entire laboratory. This includes inspection, job write-up and material lists and sketches, for construction, alteration, repair and maintenance. Job Relevant Criteria: Knowledge of trades 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), to work with others, and to plan, estimate and schedule production. File applications for the above with Terry Rowell, Bldg. 34, Rm. 212, Ph. 2822. Clerk-Typist, GS-322-3/4, PD No. 7195901, Code 612 — (1 vacancy). This position is located in the Office of Patent Counsel. Duties include typing material of a legal and technical nature, processing invention disclosures and reviewing for proper signatures and completeness of related attachments. The incumbent maintains patent case files and administrative files and serves as timekeeper for code. Job Relevant Criteria: Must be accurate typist, neat in appearance, have ability to effectively deal with office visitors, and demonstrate telephone reception skills. Previous applicants need not reapply. File applications for the above with Charlotte Steckowski, Bldg. 34, Rm. 204, Ph. 3118. General Engineer or Electronics Engineer, GS-801 or 85511/12, PD No. 7435016, Code 3515 — Located in the Systems Effectiveness Branch of the Electronics Warfare Department, incumbent is responsible for the reliability, maintainability and quality assurance aspects for a specific complex electronics system with particular emphasis on anti-radiation weapons. The spectrum of duties includes: initial program and implementation tasks, circuit — component stress analysis, failure mode and effect analysis, development/implementation of preferred parts lists, electronic component specification/selection and qualification, environmental and life test planning, failure analysis/corrective action determination, planning and implementation of reliability/maintainability demonstration programs, and coordination of program elements among cognizant NWC organizational units, other governmental activities and industrial contractors. Job Relevant Criteria: Broad background in reliability and maintainability, experience in analysis of electronic hardware and systems design, test and evaluation, and familiarity with anti-radiation weapons. File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514. Clerk-Typist, GS-322-3 or 4, PD No. 7437020, Code 3721 — This position is located in the Range Operations Division of the Test and Evaluation Department. Incumbent types official letters, maintains files, receives visitors, answers telephones, and performs various other clerical duties for branch personnel. Job Relevant Criteria: Reliability and dependability, ability to get along with others in work group, and the ability to type efficiently and accurately. Police Dispatcher, GS-301-3 or 4, PD No. 754005, Code 843 — (Two vacancies). Incumbent performs dispatching duties for the China Lake Police Division and maintains radio communications with NWC Guard Post, Fire Division, NIS, and off-Center police agencies. Incumbent also coordinates and controls radio traffic between police units, responds to requests for assistance by police units and/or notifies appropriate source, and furnishes requested information to the public or refers to appropriate authority. Job Relevant Criteria: Experience handling complaints from the public, exercising tact, and the ability to work effectively in stress situation. Some typing ability is required. Previous applicants need not reapply. File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 208, Ph. 2572. JOB OPPORTUNITIES Supervisory Waitress, NS-7452-02, PD No. 75COM104 — This is not a Civil Service job. Position is located at the Commissioned Officers' Mess (Open). Duties include scheduling, supervising and training of waitresses. Incumbent will also serve as the hostess for the COM. Desirable Qualifications: Experience supervising waiters/waitresses, experience in training, ability to deal effectively with the public. Motion Picture Projectionist, Foreman NS-3910-04, PD No. 7655101 — This is not a Civil Service job. Position is located at the Center Theater. Incumbent interviews and makes recommendations for new hires, inspects incoming mail. (Continued on Page 4)



PATENT AWARDED — Dr. Richard S. Hughes (at left) was congratulated recently by Dr. Gilbert Plain as he presented him with a patent award for an Ultrafast Spatially Scanning Laser System. Dr. Plain is chairman of the NWC Research Department's Performance Evaluation Committee — a group that reviews the work of Code 60 employees for patentable ideas. Dr. Hughes is head of the Quantum Technology Branch in the Research Department's Physics Division. Included among the components of the Ultrafast Spatially Scanning Laser System are a continuously tunable dye laser and an electrically tunable bandpass filter.

DIVINE SERVICES. PROTESTANT: Sunday Worship Service 1015, Sunday School — All Ages 0900, Wednesday Noon Bible Study 1130. ROMAN CATHOLIC MASS: Saturday 1700 fulfills Sunday obligation, Sunday 0700 0830 1130. BLESSED SACRAMENT CHAPEL MASS: Daily except Saturday 1135. CONFESSIONS: Daily 1115 to 1130, Saturday 1330 to 1445, Sunday 0800 to 0825. RELIGIOUS EDUCATION CLASSES: Sunday Pre-school thru 6th grades 1015, Wednesday First thru sixth seventh & eighth (Junior High) 1530 1900. JEWISH SERVICES: EAST WING — ALL FAITH CHAPEL Sabbath Services every Friday 2000. UNITARIANS: CHAPEL ANNEX 95 Sunday Services — (Sept.-May) 1930.

All-star softball . . .

(Continued from Page 6)

League) was edged 4-3. Jimmy Knott, the losing pitcher, gave up just three hits to the Petro Lock nine, but even though his teammates outthrew their opponents, 10-3, they still came up one run shy in the scoring department.

In their second tourney tilt, Graham Associates lost, 1-0, to Hub Furniture of Bakersfield in a game that wasn't decided until the 10th inning of play.

In their fifth and final tournament contest, the local softballers were defeated, 10-3, by AMPCO, another team from Bakersfield that went on to win the tourney.

Greg Bishop, an outfielder for Graham Associates, hit a triple with two men on base to aid in the local team's 4-1 win over the Kern County Aggies, and in their 10-2 win over the Ed Smith Chevrolet nine, the Graham Associates team tallied six runs in the first inning of the game.

Bishop also hit a 3-bagger in this contest, while Jim Ayers hit a pair of 2-base blows and Jerry Mather and John Martin each hit two baggers in this same game.

The Graham Associates team will be on the road again this weekend — this time competing in a Northern California Congress Softball League tournament at Fresno.

Final tryouts set for Little League Major Div. teams

The final general tryouts for all prospective players in the Major Division of the China Lake Little League will be held tomorrow from 9:30 to 11:30 a.m. at diamond No. 3, located across the street from Murray Junior High School.

Youngsters 10 through 12 years of age as of July 31, 1976, are eligible to play on Major Division teams.

Those interested in participating, but unable to attend this final Major Division tryout session, are asked to contact Dan Vander Werf, the league's player agent, by calling 446-3641.

Signups also have been scheduled tomorrow for each of the other divisions in the China Lake Little League that are open to those 8 through 12. As of this past Monday, 15 girls had signed up, but none of them have tried out for the Major Division.

Presentation of a birth certificate or other proof of age is required at the time of registration by all Little League players, and a contribution of \$10 per family to the China Lake Little League is being asked.

Final results in Youth Basketball League reported

During the first week in March, teams competing in three divisions of the Youth Basketball League completed their season.

Coaches and observers noted that this has been the most competitive season of youth basketball play since the inauguration of this program. This was due to a deliberate attempt to balance teams as equally as possible insofar as player ability was concerned.

The final standings were as follows:

Table with columns: Team, Won, Lost. Intermediate Division: Bruins 14-1, Cougars 13-2, Lakers 7-8, Trojans 6-9, Spartans 3-12, Warriors 2-13. Junior Division: Rockets 11-4, Hawks 10-5, Stars 6-9, Huskies 4-11. Senior Division: Bucks 10-2, Knicks 6-6, Sonics 4-8, Blazers 4-8. High School Division: Pistons 9-2, 76ers 7-4, Conquistadors 4-7, Suns 2-9.

Employee in the spotlight

What is a "people person"? There is a man who has just that reputation within the Engineering Department.

He's known as a "people person" by, perhaps a secretary who's asked for his advice about taking a job outside of the department and who is impressed by his obvious concern for her own best interests. Or by a young engineer whose choice of a career is greatly influenced by the talks he has had with him.

This person is Dillard Bullard, associate head of the department's Product Assurance Division, a position he has held since June of last year.

How has a man who is an engineer by trade — a lover of numbers and hard, cold facts — developed a reputation for his knowledge of and concern for the people he knows?

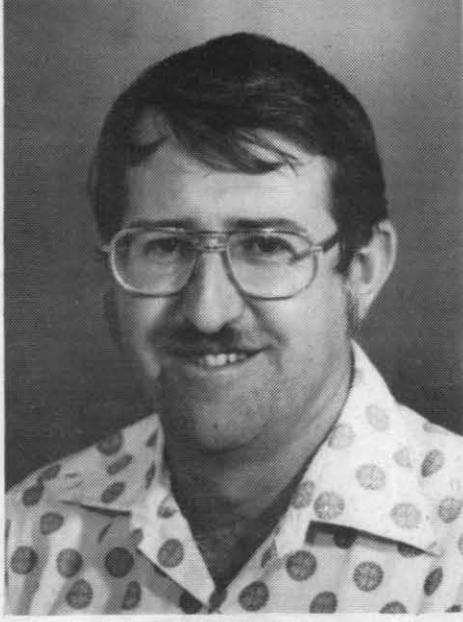
Interested in People "Once you become a manager you have to be interested in people," says Dillard. "People make the world go round. This is why the Center is a good place to work — it takes care of its people, the average person — better than any other government organization I know of."

Early in Dillard's career, there was impetus to his developing interest in people: he was able to see how much more effective employees are when they have some freedom in making decisions. He reflects, "Everybody has some capability and you just have to search to find it. A person with an idea should be able to tell his boss about it. That way people can seek their own level in their jobs."

According to Dillard, most employees are reluctant to talk to their supervisors about serious personal problems which could affect their work. Aggravating this situation is the fact that many personnel within the Product Assurance Division must travel a good deal, and are thus liable to additional stresses.

Free Discussion Sought "The way I try to handle these problems is to create an atmosphere in which people feel like talking about them to me. Once there's free discussion, you're on the road to solving those problems," he says.

Another area in which Dillard is able to use his skills with people is in college recruiting for the Junior Professional Program, an activity to which he devotes about two weeks per year. He estimates that about three-fourths of the engineers at the Center have come through this program, which is run by the Personnel



Dillard Bullard

Department, although professional engineers here actually do the recruiting for it.

"I'm a strong supporter of this college program because of the opportunities the young engineer has to get involved in the technical program here," says Dillard. "In general, we have a very good reputation on campus because we have excellent jobs, ones which use the initiative and enthusiasm of every participant."

Dillard himself was recruited for work at China Lake while he was attending New Mexico State University at Las Cruces, from which he graduated with a B.S. degree in mechanical engineering in 1960. He had chosen that field of study because his interest was piqued when, as a child, from his home in Las Cruces, he could see German V-1 and V-2 rockets rise from the nearby White Sands Proving Ground (now White Sands Missile Range).

Hired as Jr. Professional Upon graduation he came here "because I like the desert — the land and the climate — it's what I've been used to all my life." When Dillard completed the Junior Professional Engineering Program in 1961, he went to work in the Fleet Engineering Division of the Engineering Department, starting out as a junior engineer and ultimately becoming head of the Air and Surface Launched Weapons Branch. In July 1974 he moved over to the Quality Assurance Branch, serving as its head until he assumed his present position.

The Product Assurance Division is responsible to the Center for performing quality assurance, reliability and system

safety support to NWC program offices. This means making sure that the design which private industry or NWC's own development engineers have created is actually followed in the production of the system.

As associate division head, Dillard does a good deal of traveling to contractors' plants — such as Raytheon, Inc., in Lowell, Mass.; Texas Instruments in Dallas; and General Dynamics in Pomona. His job is to examine the quality and reliability programs of the contractors, and to look at any changes in the original designs which they might make.

Problems With Contractors Additionally, Dillard inspects the quality and reliability programs of some government facilities, such as naval ammunition depots and naval ordnance stations.

"Hardware that doesn't meet the design is a constant problem," according to Dillard. "At times, too, we find that a contractor hasn't done something he's been paid to do — running tests on a piece of equipment, for instance."

Dillard explains that the cause of most non-conformity to specifications is "lack of attention to detail on the contractors' part, caused in turn by their lack of understanding about contract requirements. As soon as they understand these requirements, however, there's no problem. But until that time arrives, there can be misunderstanding, even tension, between our people and theirs."

Praised by Supervisor And Dillard must be doing quite a job. His division head, H. T. Lotze, says of him, "He's an outstanding, dedicated guy in this product assurance business. He's doing everything he can to assure that the contractors are complying with requirements in order to guarantee the production of quality hardware for the Fleet."

Because Dillard is so active and involved at work, when he gets home, with his wife, Lorree, and sons, Mark, 5 and Steve, 7, "I just relax and don't do much at all." He does, however, find time to "dabble in real estate" and bowl for Hockett's Builders Supply at Hall Memorial Lanes on Thursday nights.

All in all, Dillard feels "fulfilled" in his life's ambition and work: "I really feel that the Center has been good to me, and when I go on those recruiting trips I'm showing my appreciation for that. I can truly say that I've really been allowed to develop to the best of my abilities here."



LIFESAVING GRADUATES — Sixteen Naval Weapons Center firefighters, graduates this past December of a Cerro Coso Community College course taught on the Center, recently received their certification as Emergency Medical Technicians (EMTs). The certificates, required by the State of California for all persons operating ambulances, were presented by Capt. R. D. Franke, NWC Deputy Commander (kneeling, far left). Those who received the certificates were (l.-r., standing) D. L. Schultz, J. H. Crow, D. N. Farris, W. J. Matthews, P. E. Johnson, W. B. Wechter and P. A. Sondergren. Other recipients, shown kneeling with Capt. Franke were (l.-r.) C. E. Stuthers, R. J. Burk, J. E. West, R. E. Bailey and J. D. Wilson. Standing at far right is W. E. Davis, NWC's Director of Security. Other personnel who graduated from the course, but were not present for the picture, were H. L. Thompson, J. E. Ball, H. B. Westfield and M. W. Gregory. The graduates, now ambulance drivers and EMT attendants, studied proper emergency care of the sick and injured during transportation, including techniques of administering intravenous injections and performing cardiopulmonary resuscitation. The Fire Division provides most of the ambulance service aboard NWC.

Training courses in repairing electronic components offered

Nominations are now being taken for enrollment in two training courses on the techniques of repairing electronic assemblies that will be conducted in the training room of the new Avionics Module Repair training facility at 75 Parsons Rd. Course No. 1 is a 13-day training program in miniature component repair that will be offered beginning either on May 5 or May 26.

Successful completion of this first course is a prerequisite for attending the second course on micro-miniature component repair (a 10-day session) that will begin on June 14.

Use of the tools and special techniques required to perform high reliability repair and assembly of electronic circuitry will be taught as a part of this Avionics Module Repair Improvement Program.

Additional information about this training can be obtained by contacting either L. G. Terral or Edward Donoghue of Code 5561, phone NWC ext. 3338 or 3573.

Center employees interested in this training should submit an NWC enrollment form via proper department channels in time for it to reach Code 5561 by the deadline dates of April 1 or May 10 for sessions 1 or 2 of the first course.



## All-star softball team wins 2 games in tourney action

The Graham Associates all-star softball team, local entry in the Northern California Congress Softball League, won two out of five games while competing this past weekend in a pre-season tournament at Bakersfield.

The local team, which is managed by Bert Andraesen and composed of topflight players from this area, defeated the Kern County Aggies, 4-1, and outscored the Ed Smith Chevrolet squad from Bakersfield 10-2.

Inability to get hits when they were most needed, accompanied by a number of errors in the three games which they lost, accounted for the local team's downfall in this first competition of the year, Andraesen noted.

"We did find out, however, that we'll be competitive with other teams in the league and would appreciate the support of local softball fans," Andraesen stated. The first home appearance of the Graham Associates squad will be a double-header on Saturday, March 27, at Reardon Field.

Going against the Petro Lock team from Lancaster in their first game of the tournament played in Bakersfield, the Graham Associates nine (whose members will comprise the bulk of the NWC varsity softball team as well as make up the local entry in the Mojave Desert Inter-service

(Continued on Page 7)

## 'Three hits and miss' golf tournament planned March 20

Plans were announced this week for a "Three Hits and a Miss" golf tournament that will be held at the China Lake golf course on Saturday, March 20, starting at 9 a.m.

Members of each foursome (three men and one woman) entered will be selected by a drawing, and each foursome's final tournament score will be determined by totalling the two best scores for each hole played. Prizes will be awarded to the top two foursomes entered in this event.

There is a \$4 fee per player for this tournament. Golfers interested in participating have until 5 p.m. Tuesday to register by calling Mike Sanitate, tourney chairman, at NWC ext. 3631 or 3319.

A general membership meeting of China Lake golfers to discuss the formation of a men's golf club and hear a report from the greens' fee committee will be held from 7:30 to 8:30 a.m. on the day of the tournament. Coffee and doughnuts will be served to the early risers who turn out for this meeting at which Paul King will preside.



**TOPS IN HANDBALL** — Charles Vuitel (at left) garnered the first place trophy in the open division of the recently-concluded singles handball tournament by defeating Veri Lillywhite (not present for photo) in a hard-fought match, 21-15 and 21-20. The winner and runner-up in the recreation division of this same tourney were Bill Underwood (center) and Matt Anderson (on right). Underwood outscored Anderson 21-15 in the first game of their title-decider, then lost the second, 19-21, before coming back to edge his opponent, 21-19, in the third and final game.



**BASKETBALL TOURNAMENT WINNERS** — The Loewen's No. 1 team, which placed second in the Open Division of the China Lake Intramural Basketball League at the end of regular season play, knocked off Desert Motors (the league champs) in a post-season double elimination tournament. In the final tourney tilt, played on the evening of March 4, Loewen's defeated Desert Motors by a score of 53-37. In two earlier tournament contests between these two teams, Loewen's won the first game, 47-45, and lost the second, 54-46. Players on the tournament championship team are (kneeling, l.-r.) Mike Dowd, Mike Machowsky and Wade Christiansen, and standing (l.-r.) Kevin Keith, Scott Shacklett, Tom Chapman and Randy Johnson. One other player for Loewen's, who was unable to be present for the photo, is Dale Dowd. Players for both Loewen's No. 1 and the Desert Motors teams received individual trophies for their efforts, while Texas Instruments received a third place sponsor's trophy. —Photo by Joe Dunn

## High Desert gymnasts do well in competition held at Glendale High

In what Mrs. Steve Latimer, a coach of the High Desert Gymnastics Team, characterized as "a super meet," Ridgecrest's tiny Class II team walked away with three of the four top awards in the Junior Division competition at Glendale High School last Sunday.

In addition, young Kyra Specht achieved an all-around score of 65.20. This was the top score not only for that meet, but also for all zone qualifying meets. That means that Miss Specht will go to the zone meet in Redlands on March 27 as the top Class II gymnast in this zone — an area encompassing 12 teams including such tough competition as Covina, Redlands and Glendale.

A phenomenal 17.45 combined score (20 would be perfect) in floor exercise gained

the local girl a blue ribbon in that event. She also placed first with a 16.80 score for compulsory and optional events on the balance beam and tied for fifth place with a 15.60 combined score for vaulting.

### Freshman Shows Talent

Tiny Patty Parks also had a good day at Glendale High. This Burroughs High School freshman showed her expertise on the uneven parallel bars by garnering a combined score of 17.40 as she placed first in this event. Although she did not place in other events, her overall performance was solid enough to earn her a tie for sixth place all-around, with a 61.65 combined score for optionals and compulsories.

Both gymnasts will compete in the Redlands meet, a step on the way to the highly competitive state meet. "Considering that we're competing against some teams that have 10 to 15 girls concentrating on their specialities, you'll see why we're so happy," Mrs. Latimer said. "We had only two girls competing all-around and they both made it into the top six."

Good scores also were earned by Ridgecrest's other Class II competitors attending last Sunday's meet. They were Coleen Burke and Mary Knemeyer in the Junior Division and Carol Knemeyer in the Senior Division.

### Next Event March 20

Next event for Ridgecrest's "Tumbleweeds" will be a big Spring Invitational that is to be held in Joshua Hall on the Desert Empire Fairgrounds in Ridgecrest on Saturday, March 20, from noon to 5 p.m. A Class III event, this meet will involve competitors from the Lancaster, Barstow, Victorville, Tehachapi, Bakersfield and High Desert teams.

"We invite gymnastics enthusiasts to come out and watch our girls do Ridgecrest proud," said Mary Ann Wilcox, head coach. Proceeds from a 50-cent admission charge will be used to raise funds for much-needed gymnastics equipment.



### Wilt's Corner

## Applications still being taken for adult swim classes

Applications are still being accepted for the adult swimming classes that will begin on Wednesday and Thursday, March 24-25. The class on Wednesdays will meet from 7 to 8 p.m., while the Thursday session will be held from 1 to 2 p.m. There is an entry fee of \$10 per student for each of the classes.

There are still some openings for youngsters 6 to 10 years of age who wish to enroll in a swimming class that meets on Mondays from 4:15 to 5 p.m. The registration fee for this class is \$8 per student.

### Kayak Instruction Offered

More entries are still being accepted for kayak classes that are being held on Tuesday or Thursday, from 8 to 10 p.m., in the Center's indoor swimming pool.

The instructor is Ken Langregren, an experienced competitor in kayak races. Students must be able to pass the necessary swimming requirements to enroll in either of the kayak classes, and there is an entry fee of \$5 per person for the six-week classes that began last week.

### Racketball Tourney Slated

Next Wednesday, March 17, at 2 p.m. is the deadline for entries in a singles only racketball tourney that has been scheduled from March 23 through April 8 at the Center's handball court.

Both military personnel and civilian employees of NWC are encouraged to participate in this event. The entrants will be divided into three categories (based on playing ability), and there will be awards for the finalists in each classification.

The entry fee for the racketball tournament is \$1 per person. Entry forms can be obtained from the secretary at the gymnasium on weekdays between 9 a.m. and 2 p.m.

### Yoga Course Planned

Is your performance in sports, or other activities, limited by problems with concentration, rhythm, inflexibility or relaxation? If so, try yoga, suggests dancing and tennis enthusiast Joan Leipnik.

A six week course in yoga, with emphasis on sports skills, will be sponsored by the NWC Special Services Division. Enrollment for this class, which is to begin at 1:30 p.m. on Monday, April 15, at the Community Center, is now being taken at the Community Center on weekdays between the hours of 8 a.m. and 4:30 p.m. The entry fee is \$10 per student.

### Volleyball Season To Open

The China Lake Intramural Volleyball League season will begin on Tuesday at the Naval Weapons Center gym.

Games will be played beginning at 6, 7, 8 and 9 p.m. on Tuesday, Wednesday and Thursday evenings until around May 1, with the exception of the Easter vacation period from April 12 through 16.

As the result of practice games that were played this past week, the 23 teams that are entered in the Intramural Volleyball League will be placed in either the Open Division, Recreation Division, Co-ed Division or Women's Division.

The practice games were scheduled in order to determine the levels of ability so that competition between teams in the various divisions could be evaluated as accurately as possible.

Volleyball league schedules have been made up and copies can be obtained from the secretary at the gymnasium Monday through Friday from 9 a.m. to 2 p.m.

## Reserve Seabee of Year award presented to Marvin Windsor

Announcement of the China Lake Reserve Seabee of the Year award winner, and presentation of City of Ridgecrest plaques to two Naval Weapons Center personnel were among the highlights of last Saturday night's annual Seabee Ball at the Community Center.

The gala affair, which was attended by 156 guests, marked the 109th birthday of the Navy's Civil Engineer Corps and the 34th birthday of the Seabees.

Chosen as the year's top Seabee in China Lake Detachment No. 0217 of Reserve Naval Mobile Construction Battalion 17 was Construction Electrician Second Class Marvin J. Windsor, an electrician with Code 45536.

Windsor, who has been a member of the local Seabee Reserve unit for five years, is its project petty officer for all electrical work. A letter of congratulations which he received from Ltjg. Steve Bovee, officer-in-charge of the unit, praised his "unselfish attitude toward attacking and solving difficult and often times tedious tasks" and his instruction of others in his own and a variety of other construction trades.

### Surprise of Evening

The surprise of the evening occurred when Rex E. Shacklett, Mayor of Ridgecrest, presented replicas of the city seal to Windsor and Senior Chief Builder William T. Cava, — officer-in-charge of the Public Works Department's Self-help Project Office.

In addition, Mayor Shacklett read a proclamation from the City of Ridgecrest commending the Navy Civil Engineer Corps and the Seabees for their contributions to the Navy and their country. The proclamation noted the "valuable community services" which the Seabees have performed for the city and declared that Ridgecrest "is proud to number many citizens among those who have served in (the Seabees and Civil Engineer Corps), and is proud of the close association between the city with the U. S. Navy down through the years."

The mayor himself received an honor that evening when Ltjg. Bovee presented him a plaque from the reserve unit acknowledging him as a "Friend of the Seabees" for supporting them in the community for the last 10 years. Mayor Shacklett has, for instance, suggested community service projects which the Seabees have undertaken, and served as a master of ceremonies at last

year's Seabee Ball. In his presentation on this occasion, Rear Admiral R. G. Freeman III, NWC Commander, said of Civil Engineer Corps and Seabee personnel, "Whether their mission is in time of war or peace, they are 'there' to build.

"And in building — whether it be an airstrip in some sub-equatorial jungle, a Naval base at Cam Ranh Bay, a school for the natives in the Philippines, the



**SEABEES' FRIEND HONORED** — Ltjg. Steve Bovee (left) presents Rex E. Shacklett, Mayor of Ridgecrest, with a Seabee plaque which designated him a "Friend of the Seabees" for his support of the Seabees in the community during the last 10 years.

rebuilding of a community devastated by a hurricane, or the construction of an advanced base under combat conditions — Navy Civil Engineering officers and the officers and men of the Seabees, through their devotion to duty and peerless service to their country and Navy, have also built a reputation that is second to none in the Naval service."

An additional highlight of the evening occurred when Capt. William H. Sturman, CEC (ret.), former NWC Public Works Officer, and Mrs. Sturman officiated at the formal cake cutting ceremony. Mrs. Sturman presented pieces of the cake to Apprentice Builder William Andrews of the Self-help detachment (who was the youngest Seabee present) and to Chief Equipment Operator William Thorpe of the Seabee reserve unit (the oldest Seabee in attendance).

This year's Seabee ball was also the occasion for the announcement that more than \$1,000 had been raised through the efforts of the local reserve unit for the benefit of the Seabee Memorial Scholarship Fund, headquartered in Washington, D. C.



**TOP SEABEE RESERVIST HONORED** — Ltjg. Steve Bovee (left) congratulates CE2 Marvin Windsor upon the announcement of his selection as Reserve Seabee of the Year. Windsor, an electrician with Code 45536, is the reserve unit's project petty officer for all electrical work. —Photos by Ron Allen

## Ex-Centerite appointed to serve on state's Air Resources Board

Dr. Alvin S. Gordon, who retired this past Jan. 2 after nearly 25 years as an employee of the Naval Weapons Center's Research Department, earlier this week was selected by Gov. Edmund Brown, Jr., to serve on California's Air Resources Board.

Dr. Gordon succeeds Robert Sawyer as a member of the 5-man Air Resources Board. Once his appointment is confirmed by the State Senate, the board will have a sufficient number of members to once again conduct business. The salary for serving on the ARB is \$12,504 a year.

A short time prior to this latest action by Gov. Brown, Dr. Gordon became one of six newly appointed members of the Research Screening Committee of the State of California's Air Resources Board.

The ex-Centerite, who joined the Research Department at the U. S. Naval Ordnance Test Station (forerunner to NWC)

## Bluejacket . . .

(Continued from Page 1)

attending classes near his previous duty station.

ADJ2 McEntee occupies Navy housing with his wife, Vicki, and children, Amy, 2 and Scott, 9 mos. In his spare time he enjoys woodworking and "puttering around the yard." The family also enjoys camping and fishing, but hasn't yet found much time for these activities.

All in all, the family likes the China Lake area because of "the chance we have here to get away from all the smog and crowds and congestion."

### Reward for Effort

As a result of ADJ2 McEntee's selection as Bluejacket of the Month, he and his wife will be the guests of the Greater Bakersfield Chamber of Commerce some weekend soon. While visiting that city, they will be hosted at the Bakersfield Inn, where they will receive their room and meals, and will also receive various gift certificates and discount coupons from Bakersfield merchants who participate in the monthly program.

For transportation to and from Bakersfield, he will have the loan of a new Ford automobile from Desert Motors in Ridgecrest.

In addition, he will receive a letter of congratulations at Quarters and his photograph will be posted on the NAF bulletin board.

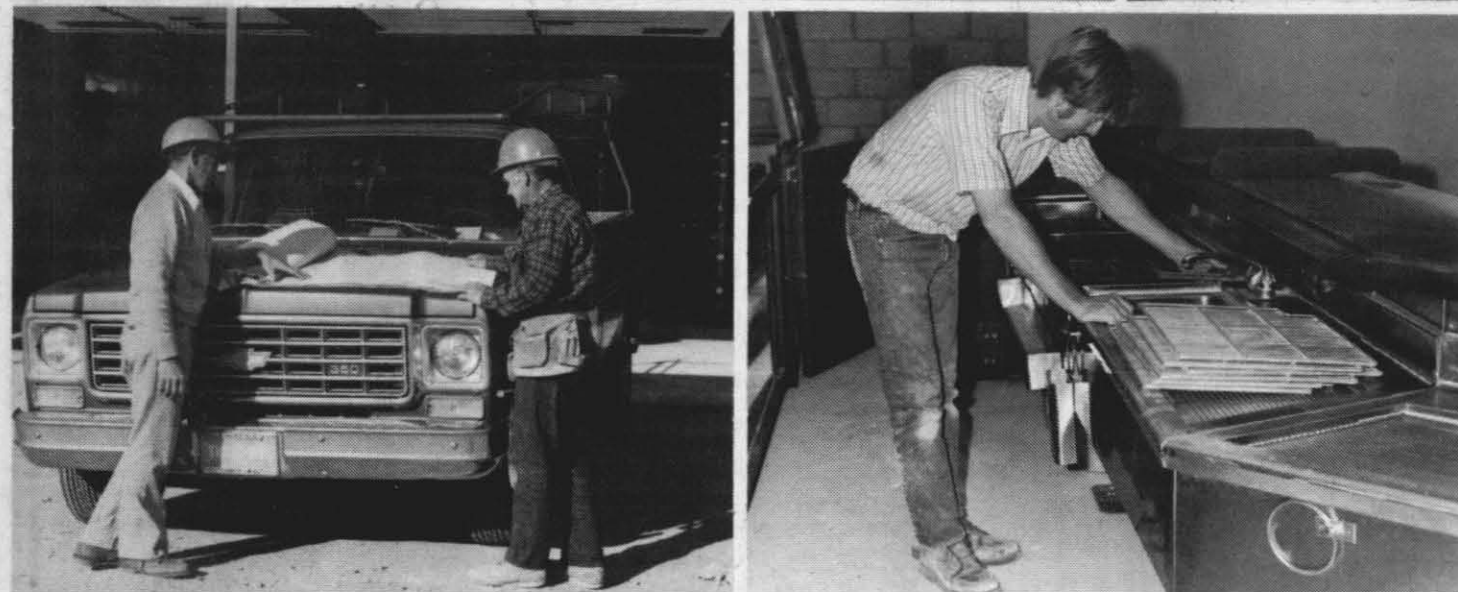


**FORMAL CEREMONY** — Capt. William H. Sturman, CEC (ret.), former NWC Public Works Officer, and Mrs. Sturman officiated as "King Bee" at the traditional cake cutting ceremony during this year's Seabee Ball. The cake was baked by Cheryl Paulsen, a secretary in the Maintenance Control Division of the Public Works Department.

AMERICAN REVOLUTION BICENTENNIAL  
1776-1976

Jan Matzeliger, a negro immigrant from Dutch Guiana, revolutionized the shoe industry. He began as a shoemaker's apprentice before moving to Lynn, Mass., to work in a factory. Disturbed by the amount of time it took to make a pair of shoes by hand, he experimented at night to make a machine capable of doing it. In 1863 he patented the world's first shoe lasting machine. Factories around the world adopted Matzeliger's American method of manufacturing shoes.





**NEARING COMPLETION** — The new Petty Officer and Enlisted Men's Club, under construction at the corner of Blandy Ave. and Hussey Rd. on the site of the old Jolly Roger Club, is now 90 per cent complete, according to Bill Williams, a construction representative in Code 702 who has been responsible for detailed inspection of the project. Williams said that workers will soon start putting in rugs in some passageways and vinyl tile in the ballroom and heads. Landscaping will be carried out when funds for this become available at a later date. According to Williams, the project is now awaiting delivery, expected very shortly, of a power transformer for the building. Following its arrival, construction should be completed by the first part of April, he said. Progress of work on the exterior of the new PO / EM Club is

shown in picture at top left. In the photo at top right, Ronald Croxton, an electrician for the Continental Electric Co., of Bakersfield, is shown working on a circuit breaker box for the building. The photo at lower left shows Merlin Whitmore (left), superintendent of Inland Contractors, Inc., of Redlands (the firm awarded a \$1.1 million contract to build the club) and Jim Philippi, the firm's carpenter foreman, as they examine blueprints for the structure. Ted Simmons (lower right photo), a plumber with the Cherokee Mechanical Co., of Bakersfield, is shown tightening a spigot at one of the club's two bars. The new 15,000 sq. ft. structure will provide separate Petty Officer and Enlisted Men's bar / lounges and game rooms, a central kitchen area, and common dining and ball room areas.

### Results announced of annual election held by Credit Union

Two new directors and one incumbent who was re-elected have joined five holdover members on the board of directors of the Naval Weapons Center Federal Credit Union, it was announced at the 29th annual meeting held on March 4 at the Community Center.

The new directors are E. M. (Mammy) Dunn and Karsten S. (Kit) Skaar, while George Silberberg is the incumbent who was re-elected. They have joined holdover board members William J. Baker, president; Dr. William R. McBride, vice-president; I. Bruce Wertnerberger, secretary, and Margaret (Nancy) Raphael. Top vote-getters in the balloting to elect two members to the Credit Committee were Electa G. Huston and William Meggars, another incumbent who was re-elected. They will be working with holdover members L. Edmund S. Smith, chairman, Beverly Meeker and Jean Rollingson.

The more than 150 members who attended the NWC Federal Credit Union's annual meeting learned from the president's report, presented by Baker, that the initial steps have been taken to revise the charter in order to establish a community-wide credit union.

"If all goes well with subsequent steps in this process, we should receive our charter revision in two or three months," Baker stated.

At the present time, the NWC Federal Credit Union has more than 14,000 members (including 971 who joined during 1975) and, as of this past Dec. 31, had total assets of \$32,621,932. Dividends received by members during 1975 rose to an all-time high of \$1,796,462 and 6,359 loans amounting to \$16,030,901 were granted this past year.

Fred Weals, chairman of the supervisory committee, presented the results of the voting that resulted in the election of the three directors and two members of the Credit Committee.

### Employee of Naval Weapons Center writes book on 'Terminal Ballistics'

Marvin Backman, head of the Impact Mechanics Branch in the Research Department's Detonation Physics Division, is the recently published author of a book entitled "Terminal Ballistics."

The 230-page book is intended to introduce the reader to the subject of terminal ballistics — what happens to the target when hit by projectiles and warheads. It is Backman's first book.

The Center's Technical Information Department published the book's initial printing of 500 copies in February. It is on sale for \$12.50 per copy from the National Technical Information Service, Springfield, Va. 22161.

"Terminal Ballistics" is the first book to be a product of the Science and Engineering Day Class Program here. Under the program, Backman taught courses in terminal ballistics over a period of 8 to 10



Marvin Backman

years. Backman has occupied his present position since 1965. He came to China Lake in 1948, when he began work as a physicist in the Instrument Development Branch of the old Aviation Ordnance Department. He has a B.S. degree in physics from UCLA. Backman and his wife, Jeanne, have three children: James, 20, Thomas, 18 and Susan Jo, 14.

### Tickets still available for CPO Ball March 20

Ticket sales are going well for the annual CPO Club ball that will be held on Saturday, March 20.

According to George Barnard, club manager, approximately 200 of the 300 reserve tickets for this gala event have been purchased. Persons interested in attending must have reservations for this formal dinner-dance. Tickets may still be purchased at the CPO Club office.

Due to an emergency commitment, the 11th Naval District Combo will not provide the evening's entertainment, as had been previously announced. Dance music for the occasion will be provided instead by the Ron Chandler Explosion, a six-piece band from Newport Beach which played at the CPO Club last New Year's Eve.

### Wyman attends parks, recreation conference

Wilton L. Wyman, recreation director for the NWC Special Services Division, recently attended the 28th annual California and Pacific Southwest Recreation and Park Conference held in Sacramento.

More than 4,000 park and recreation delegates from five western states attended the 4-day conference that was based on the theme, "America '76 — the Leisure Revolution."

### Air monitoring station in Trona now being operated by Center employees

San Bernardino County's newest air monitoring station is now in operation in Trona, following an open house held on March 4 that was attended by several of the county's Air Pollution Control District officials, representatives of the Naval Weapons Center and interested citizens.

The new equipment for this, the 12th out of a total of 16 air monitoring stations planned in San Bernardino County, was installed at a cost of \$40,000.

The trailer-like facility, located adjacent to the Justice Court in Trona, is equipped to measure hydrogen sulfide, carbon monoxide, ozone, sulfur dioxide, oxides of nitrogen, total suspended particulates,

### Information given on life insurance benefit payments

For the information of Naval Weapons Center employees who are currently enrolled in the Federal Employees' Group Life Insurance Program, payment of benefits (unless otherwise desired) will be made automatically in the following order of precedence:

First, to the designated beneficiary or beneficiaries.

Second, if there is no designated beneficiary, to the widow or widower.

Third, if neither of the above, to the child or children in equal shares, with the share of any deceased child distributed among the descendants of that child.

Fourth, if none of the above, to the parents in equal shares or the entire amount to the surviving parent.

Fifth, if none of the above, to the executor or administrator of the estate.

Sixth, if none of the above, to the next of kin as determined under the laws of the state in which the insured was domiciled.

A specific designation of beneficiary is not necessary if the order of precedence for payment is satisfactory. A designation must be made, however, if an employee wishes to name as beneficiary some person, firm, corporation, or other legal entity not stipulated in order of precedence, or it is desired that payment be made in a different order.

Employees who have a designation of beneficiary form filed in their personnel folder should review this document to insure that it is as they wish it to be.

Changes in an individual's family status, without a corresponding cancellation or change in designation of life insurance beneficiary, may result in a settlement other than the one desired by the insured.

haze, and wind speed and direction. The sampling equipment is operated continuously 24 hours a day, seven days a week.

Under an agreement between San Bernardino County and the Naval Weapons Center, the Center is responsible for operating the air monitoring station in exchange for ready access to the Trona data for NWC's on-going desert visibility study.

Jim Ouimette, head of the NWC Environmental Engineering Office, is in charge of the data analysis, while Raymond Kelso, an electronics technician assigned to the Technology Utilization Office, is lending support by insuring that equipment in the Trona air monitoring station is operable.

Between the two Center employees, they spend about 10 hours per week at the new air pollution monitoring station.

The Naval Weapons Center's connection with the air monitoring station in Trona began last November with the signing of the agreement mentioned above by Capt. R. D. Franke, NWC Deputy Commander, and Charles O'Malley, assistant air pollution control officer for San Bernardino County. Following that, employees of the San Bernardino County Air Pollution Control District (SBAPCD) set up the trailer and its equipment.

### Well-equipped Station

According to Dr. Hugh Malone, chief of technical services for the SBAPCD, the installation at Trona includes advanced air quality sampling equipment and is the most complete station in the county outside of the master installation in the City of San Bernardino.

On top of the air monitoring station is a device for sampling particulates in the air which, after being collected in filters, will be weighed and chemically analyzed.

One of the reasons for the installation of an air monitoring station in Trona at this time is to compare air quality measurements prior to and after completion of the Kerr-McGee Chemical Corp. plant expansion that is currently under way.

In addition to Dr. Malone and O'Malley, visitors at the opening of the station on March 4 were Donald M. Thomas, San Bernardino County APCD officer; Gerald R. Brown, principal APCD control instrument technician; Sherri Harris, a chemist for the APCD, who will carry out periodic chemical analyses; and Ouimette and Kelso from NWC.

In addition to utilizing the data gathered at Trona for analysis on the local level, the APCD also will provide this information to the State Air Resources Board to determine whether Trona is in compliance with state air pollution standards.

### Research Dept's Dr. Scott to speak at IEEE meeting Mon.

Dr. Marion Scott, of the Naval Weapons Center's Research Department, will speak on "Surface Acoustic Wave Image Scanning" at the monthly meeting of the China Lake section of the Institute of Electrical and Electronics Engineers on Monday.

The meeting will start at 11:30 a.m. at the Center Restaurant. Luncheon will be a hot buffet and visitors are welcome.

Dr. Scott, who received his Ph.D. in physics from Rice University in 1972, has spent the last four years here with work responsibilities in radar, lasers and surface acoustic wave devices.

He will discuss a novel technique which has been developed at the Naval Weapons Center for scanning an image involving the interaction between the electric field of a surface acoustic wave and the charge carriers in a semiconductor.

### Aetna agent due here

Loni Rivett, the Aetna Insurance representative, will be at the Community Center next Wednesday, March 17, from 11:15 a.m. to 1 p.m.



**INSTRUMENT PANEL INSPECTED** — Richard C. Chatterton, design engineer in Code 3712, checks out the instrument panel of the LC-130R Hercules following installation of the NWC-developed data acquisition system in the huge National Science Foundation aircraft that is used for research in the Antarctic.

### Special equipment installed in aircraft . . .

(Continued from Page 1) region, pressure and temperature transducers will be installed by employees of the Kaman Aerospace Corp. in Windsor Locks, Conn.

The NWC-developed data acquisition system doesn't generate information, instead it assimilates data from the inertial navigation system and other equipment that is a part of the aircraft. This is especially helpful in an area such as the Antarctic where aircraft pilots have relatively few points of reference in a vast expanse of white.

### Data Used for Weather Charts

With the ability to precisely log the aircraft's position at a particular time in flight, it will be possible to use the data to make weather charts showing conditions on this frozen southern tip of the globe.

In the past, Operation Deep Freeze personnel have been flown to remote locations and left for a period of time to check the depth of ice and snow and atmospheric conditions — things that this National Science Foundation aircraft equipped with NWC's data acquisition system will be able to handle much more expeditiously.

In addition to Hamm, Center employees

### Counseling about veterans' benefits is available today

A field unit of the Disabled American Veterans set up a 26-ft. mobile office this morning at the Sierra Vista Shopping Center, 1327 N. Norma St., Ridgecrest, and will remain here until 6 p.m. today.

This traveling veterans' service facility is manned by DAV national service officers who are qualified to assist veterans or their families in the filing of claims for federal and state benefits to which they are entitled.

Claims related to disability compensation, job training, education, hospitalization and medical care, Social Security and death benefits that are available for veterans' survivors all can be handled by the service officers visiting Ridgecrest today.

This is the third year that one of these mobile offices has traveled throughout California to provide free counseling and claims service to veterans and their families.

### Navy housing tenants can obtain grass seed

Grass seed for the spring re-seeding of lawns at homes on the Naval Weapons Center can be obtained now at the Housing Office building.

The grass seed, which is provided in sacks, can be picked up Monday through Friday between the hours of 7:30 a.m. and 4:30 p.m.

involved in the installation of the data acquisition system in the large cargo-type aircraft are Sam Schoenhals, the project engineer; Dick Chatterton, design engineer; Mike Shride, an electronic engineer; Doug Driscoll and Gary Ahr, test mechanics (experimental electrical equipment), and Dan Blackburn and Ray Brode, aircraft metalsmiths.



**NEW EQUIPMENT** — Modifications to the National Research Foundation's LC-130R Hercules have included a dewpoint hydrometer which Dan Blackburn, an aircraft metalsmith, is shown installing. —Photo by Ron Allen



**SAFETY RECORD ACKNOWLEDGED** — On behalf of Explosives Ordnance Detachment 67, LCdr. W. J. Irwin (at left), officer-in-charge, recently accepted a commendation for prevention of accidents from Capt. W. B. Haff, NWC Technical Officer. Looking on in background is Chief Warrant Officer 4 C. D. Alderman, the assistant O-in-C. The local EOD unit was commended for its accident-free record for the 1975 calendar year. —Photo by Joe Dunn

### Happenings around NWC

A musical program that also will include a sprinkling of choral readings will be presented at the next meeting of the Vieweg Elementary School PTA, which will get under way at 7 p.m. Tuesday in the school cafeteria.

The election of new officers of the Vieweg School PTA for 1976-77 will take place during the business portion of the meeting that will precede the musical entertainment.

The 40-member Vieweg School mixed chorus, under the direction of Mrs. Elayne Kvammen and Mary Eisel, will be featured on the program.

### Military Day at Orange Show

This Sunday will be Military Day at the National Orange Show in San Bernardino. The featured entertainer will be Bob Hope, who will appear during the evening program at 7:30 on the Swing Auditorium stage.

Military personnel in uniform will be admitted free to the National Orange Show, but all other members of their family and any friends accompanying them must pay regular admission rates.

### Opportunities . . .

(Continued from Page 2) film and makes reports, operates 16mm projectors, spotlights and slide projectors, and is responsible for training of theater personnel. Desirable Qualifications: Demonstrated experience in the operation of 16mm motion picture projectors.

File applications for the above with Dora Childers, Bldg. 24, Rm. 206, Ph. 2674.

Supervisory Personnel Assistant, GS-203-7 / 8 — File SF-171 forms with Civilian Personnel Office, DCASR, Cleveland, Ohio 44199 no later than March 19, 1976.

Position Classification Specialist, GS-221-9 / 11 — File SF-171 forms with Civilian Personnel Office, DCASR, Cleveland, Ohio 44199 no later than March 19, 1976.

Electroplater, Foreman, WS-3711-8, \$8.27 / \$9.44 p/h — Naval Torpedo Station, Keyport, Wash. File SF-171, two supervisory appraisals and supplemental form with Civilian Personnel Office, Code 062, NAVTORPSTA, Keyport, Wash. 98345 no later than March 24, 1976. Forms may be obtained in Rm. 103, Personnel Bldg.

For additional information, contact Betty Geiser, Bldg. 24, Rm. 103, Ph. 2657.

### Solar Heating Lecture Set

James R. Piper, an international authority on the application of solar and low temperature hydronic heating systems, will speak on solar heating of homes and office buildings at the Cerro Coso Community College lecture hall on Saturday.

The event is free and open to the public, and no advance reservations are required. It will be held from 10 a.m. to 2 p.m. and will include a lunch break.

Piper is president of the Piper Hydro Co., which has equipped homes with solar heating systems in Washington, Oregon, Utah, Arizona, Nevada, California, New Mexico, Texas, Maryland, Canada and Mexico.

### Nurses' Club To Meet

A discussion accompanied by the showing of film slides about Public Health services that are available in the local area will highlight the next meeting of the Nurses' Club of Indian Wells Valley.

The meeting, which is open to all nurses and other interested persons, will be held at 7:30 p.m. Monday in the Ridgecrest Community Hospital's recreation room.

The speakers will be Mrs. Pat Moore, and Mrs. Anita Mayberry, both RNs.

### College Advisors Due

Advisors from California State College in Bakersfield will be here on Tuesday from 2 to 4:30 p.m. for counseling.

Anyone who is currently enrolled or interested in the external degree program in Business Administration can make arrangements for an appointment with one of the Cal-State Bakersfield advisors by calling the NWC Training Center at ext. 2359.