

## High School Vocal Music Concert Set

The Burroughs High School Music Department will present its annual Spring Choral Concert tonight at 7:30 in the Burroughs Lecture Center.

The mixed chorus, concert choir and madrigal singers will perform under the baton of Russell Parker, music instructor at the high school.

The chorus will present six numbers. They are "I Hear a Voice A-Praying," by Houston Bright; "Come, All You Fair and Tender Ladies," arranged by Luigi Zaninelli; "Early One Morning," an old English song by Frank Ahrold; "Come to Me, Bend to Me," from "Brigadoon," by Lerner and Loewe; "The Drunken Sailor," arranged by Schumann, and "God Made Our Hands," by Ades.

Selections by the concert choir are "I Can No Longer Love Her," a 15th Century madrigal written by Des Prez and edited by James Dunn; "Cantate Domino," by Pitoni; "Sometimes I Feel Like a Motherless Child," a spiritual arranged by DeCormier; "The Turtle Dove," by Vaughan Williams, which will feature a solo by Gordon Wandell; "Alleluja," by J.S. Bach; "Oh Soldier, Soldier," an English folksong featuring Nancy Miller and Mike Walker; "Deep River," another spiritual, arranged by Norman Luboff, and featuring a solo by Dan Brown.

"The Death of Nathan Hale," by Shaw, will lead off the madrigal singers' portion of the program. This will be followed by "If I Say You're Charming," a 17th Century canzonetta, by Lassus; "A Rose Touched by the Sun's Warm Rays," by Jean Berger; and "Three Madrigals," a contemporary song by Emma Lou Diemer, who is currently a student at the University of California at Santa Barbara.

Following the program, the Burroughs Music Department will present an award to the "Outstanding Choral Student."

Admission is \$1 for all, payable at the door.

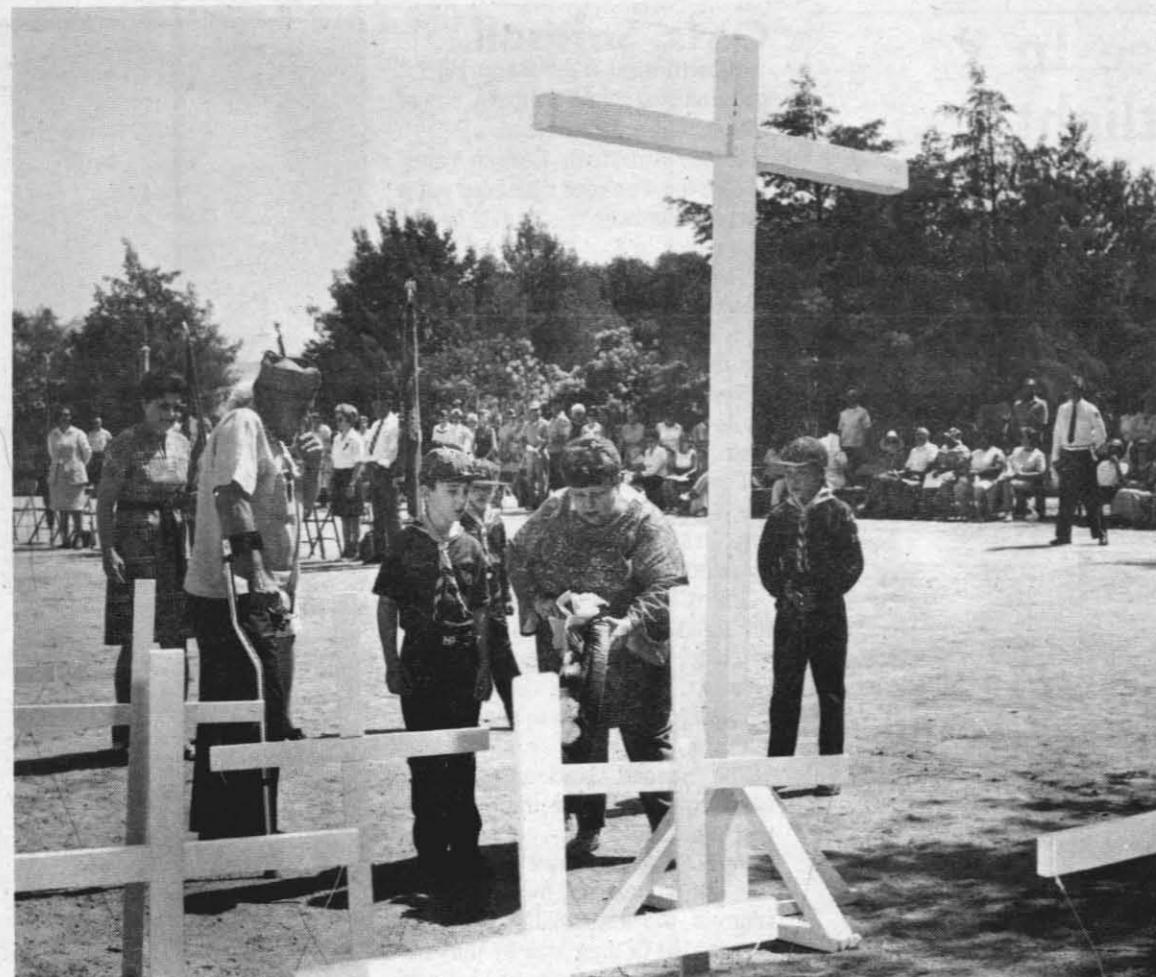
## Visitor Behind Iron Curtain To Present Talk

The student council and community service programs of Bakersfield College, Desert Campus, is sponsoring a talk by Dr. Russel Lewis, an administrator from Santa Monica College, to be given on Wednesday, June 7 in the Burroughs Lecture Center, at 8:15 p.m.

Dr. Lewis recently spent three weeks behind the Iron Curtain on an intercultural exchange program between the United States and Russia in the field of general education.

His talk will include the use of film slides taken in Estonia and Bulgaria, as well as Moscow and Leningrad, and he will also give his impressions of the Eastern European system of education. He will show various ways in which the system is quite rigid and autocratic, and will explain some of the methods employed there which U.S. educators might benefit from studying.

There is no charge for attending the program.



**NATION'S WAR DEAD HONORED**—A wreath-placing ceremony, led by Mrs. Bette Noonan, one of three Gold Star Mothers to participate in the patriotic observance, highlighted the Memorial Day program held this past Monday morning at the Desert Memorial Park Cemetery in Ridgecrest. Mrs. Noonan was escorted by two Cub Scouts and Don Rupe, a member of the Disabled American Veterans. Behind Rupe is Mrs. Dorothy Wilson who, along with Mrs. Birdie Webb, were the other Gold Star Mothers who took part in the Memorial Day ceremony. The program was arranged by the East Kern County Veterans Coordinating Council.

—Photo by PH2 E.R. Ortiz

## Newcomers To Visit Bristlecone Pines June 17

The Indian Wells Valley Newcomers Club has planned yet another trip—this time to the Bristlecone Pines on Saturday, June 17.

There will be no charge and all interested persons are invited to join in the outing. However, reservations are required and must be made at least one week in advance by calling either 446-7015, 446-6033 or 375-5390.

All those making the trip will meet at the Highway 395 turn-off on the outskirts of Big Pine at 10:15 a.m. on June 17. Following a slide show from 11 a.m. to noon, a picnic will be held, then groups of 10 cars each will head for the Bristlecone pine area.

Overnight camping is optional. All persons who attend must bring their own water reserve, and provisions. For those who stay overnight, a campfire get-together will be held.

At the Tuesday, June 6, meeting of the Newcomers Club, speakers Carol Burge and Diana Lucas, of the China Lake Mountain Rescue Group, will talk on safety precautions while camping in the nearby desert area.

The meeting will begin at 9:30 a.m. at the Immanuel Baptist Church, 201 Graaf St., Ridgecrest. Childcare will be available for a small fee.

## Watch Collectors

A group of watch and clock collectors in the Indian Wells Valley, who are all members of the National Association of Watch and Clock Collectors, will be meeting on Sunday, June 4, at the home of a member.

Persons who desire to become affiliated with this local club, which up to now has been operating without by-laws and formal officers, are asked to call 375-8159.



**MEMORIAL DAY SPEAKER**—Lt. Cmdr. Dale A. Iverson focused on the meaning and significance of Memorial Day in remarks he delivered during the local observance. Among those on the speaker's platform with Lt. Cmdr. Iverson, who is the military assistant in the NWC Electronic Systems Department's Program Management Division, was his wife, Brenda, shown seated at left.

## 2nd Annual IWF Swap Meet Slated June 10-11 at Local Fairgrounds

The second annual Indian Wells Valley Swap Meet will take place on Saturday and Sunday, June 10 and 11, at the Desert Empire Fairgrounds. The gates will be open from 9 a.m. to 6 p.m. on both days of the meet.

Any group or individual who desires to be a seller during the meet will be allocated a 20x15 ft. space to display his wares upon payment of a \$5 fee for one day, or \$8 for both days, including overnight.

Persons desiring further information, or who wish to make reservations, may contact Loscar by calling 375-8159.

From _____	PLACE STAMP HERE
TO _____	

## 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

FRI. 2 June

"SNOW JOB" (98 Min.)  
Jean-Claude Killy, Vittorio De Sica  
(Adventure) Amazing ski and snowmobile sequences highlight a story of the robbery of a ski lodge and the subsequent chase. World champion skier Killy sets a fast pace of thrills and spills for the action fans. (PG)

"MAGIC MACHINE" (16 Min.)  
SAT. 3 June

"MATINEE"—  
"THE RARE BREED" (97 Min.)  
James Stewart  
"NAUTICAL NUT"—  
EVENING—  
"CAPTAIN APACHE" (94 Min.)  
Lee Van Cleef, Carroll Baker  
(Western) The dying man's only clue was the words "April Morning" so Capt. Lee sets out to find their meaning. His trail leads to gun runners and to the President before the riddle is solved. Action galore. (PG)

"BONE TROUBLE" (7 Min.)  
SUN. & MON.  
"THE HONKERS" (102 Min.)  
James Coburn, Slim Pickens,  
Louis Gossett, Jr.

(Comedy) Drama of a rodeo cowboy says "if you ain't cheatin' you ain't tryin'". And this one does both as he hits the big rodeo and immediately gets into trouble with his wife and his buddy, a rodeo clown. (PG)

"PINK BLUEPLATE" (7 Min.)  
TUES. & WED.  
"MAN IN THE WILDERNESS" (105 Min.)

(Romantic) Richard Harris, Elizabeth Hurst  
(Adventure) Violent account of the survival of a hunting party member who is left for dead in the rugged Northwest territory amid hostile Indian tribes. Based on actual spine-chilling fact. Superb drama. (PG)

"TIRED & FEATHERED" (7 Min.)  
THURS. & FRI.  
"MINNIE & MOSKOWITZ" (115 Min.)

(Comedy) Director-writer John Cassavetes' latest offering is a comedy-drama about a Jewish middle-aged dropout and an attractive working girl. Their uphill battle for love and marriage makes faith prevail. (PG)

NO SHORT SUBJECTS

## Four Units Qualify Vets for Full Time

Any qualified veterans who elect to enroll for a minimum of four units in the six week summer session that is being offered by the Desert Campus of Bakersfield College will be eligible for full G.I. benefits.

According to Mrs. Laurene Bridges, veterans affairs advisor, veterans who sign up for just three units will receive three-quarters of their G.I. Bill benefits, while those who take just two units will receive one-half benefits.

The summer session is scheduled on week days from June 12 through July 21.

## Catbird Seat...

(Continued from Page 10)

Registration in any of the events is open until 4:30 p.m. on Friday, June 9. If Special Services does not receive enough applicants in any one program, then that program will be cancelled.

Registrations will be taken at the Center gymnasium each day during the hours of operation. Persons desiring further information are asked to contact Marty Denkin, athletic director, at Ext. 2334.

"Sellers may arrive as early as 6 a.m. either morning and drive any type of vehicle through the south gate," he stated. He issued an invitation to space-renters from out-of-town who have wares to sell. "They are welcome to camp on the fairgrounds, where trailer facility hookups and sanitary accommodations are available," he said.

# nwc rocketeer

Naval Weapons Center  
China Lake  
California

Vol. XXVII No. 22

## It's Spring Festival Time Now in Valley

It's Spring Festival time in Indian Wells Valley.

The annual Knights of Columbus-sponsored celebration began Wednesday evening and will continue through Sunday at the fairgrounds in Ridgecrest.

The gates will be open tonight from 5 o'clock until midnight, and will re-open at 1 p.m. on both Saturday and Sunday. General admission to the Spring Festival, to all those other than holders of memberships in the Desert Empire Fair, is 25 cents per person for everyone 12 years of age and over.

Knights of Columbus membership cards also will be honored for admission to the Spring Festival without charge.

In addition to a full range of carnival attractions that are being provided again by the SJM Fiesta Shows, this year's Spring Festival is the first opportunity for the general public to inspect the nearly completed permanent exhibit building—named Roy Martin Hall.

Still to be added to the new building are cooling and heating equipment to enable its year-round use as a center for community activities.

(Continued on Page 3)

## NWC Deputy Commander Retires

### Capt. A. E. May Ends 30-Year Career in Navy



**CAPT. MAY RETIRES**—A career of 30 years as an officer in the U.S. Navy, which was preceded by a brief hitch as Marine Corps enlisted man, ended Wednesday for Capt. A. E. May (left), Deputy Commander of the Naval Weapons Center since Nov. 3, 1970. Capt. May, who is shown holding his framed discharge certificate, also received a letter of appreciation from Rear Adm. W. J. Moran, NWC Commander, for the valuable service he performed while at China Lake.

—Photo by PH3 D. W. Yeats

filled temporarily by Capt. H. D. Parode.

A

member of the Class of 1943 at Annapolis, Capt. May's graduation was moved ahead a year because of the U.S. entry into World War II, and his first active duty assignment as an officer was aboard the Cruiser New Orleans during the landings of U.S. forces in the Solomon Islands.

Following service aboard two other submarines—the USS Gurnard and the USS Queenfish—and a tour on the staff of Submarine Division 51, Capt. May entered the Scripps Institute of Oceanography, where he earned a Master's degree in September, 1950.

A year at the Navy Hydrographic Office as the undersea warfare officer preceded nearly four more years of submarine service during which he served first as executive officer of the USS Bugara and then as commanding

(Continued on Page 3)

## Weapons Systems Dependent On Automatic Control Systems

By Dr. Allen Gates

Every weapon system designed and managed by the Naval Weapons Center is vitally dependent on automatic control systems. An automatic control system may be regarded loosely as a system which uses the principle of feed-back to perform its mission.

The brain serves the function of the controller. It processes the visual information and sends control signals to the arm and hands. The arm and hand muscles serve the function of the power element. They convert the low power signal levels from the brain to the high power signal levels

position of the car on the road and provide a performance comparison needed to insure that the car remains on the road.

The brain serves the function of the controller. It processes the visual information and sends control signals to the arm and hands. The arm and hand muscles serve the function of the power element. They convert the low power signal levels from the brain to the high power signal levels

required to turn the steering wheel of the car. The car serves as the plant.

The principle of feedback employed in this automatic control system is the driver's measure of the position of the car on the road and his consequent corrective action to keep the car on the road should a bump or a gust of wind disturb the vehicle.

A control system for a typical

(Continued on Page 3)



**FLIGHT SIMULATION TABLE**—Dr. Robert Smith (left), an engineer in Code 3051, and Tom LaJaunesse, an engineer in Code 3024, set up the Carco Flight Simulation Table. The table is used for dynamic simulation of the AIM-9L seeker, and aids in development of automatic control systems.

## Gov't Property Auction Sale Slated June 13

An auction sale of surplus government property, designed to give individuals and small buyers a chance to bid, will be held at the Naval Weapons Center on Tuesday, June 13, at the Community Center.

Items to be auctioned may be seen now at the NWC Scrap and Salvage Yard and in the Property Disposal Warehouse. Directions to the sites may be obtained from personnel at the Main Gate Pass Desk.

Persons who wish to participate in the auction must first register by presenting proper identification (driver's license or a bidder's identification card) prior to being given a bidder's paddle. The registration will be held from 8 to 9 a.m. on the day of the sale.

An open house policy at the Center's main gate will be held for

(Continued on Page 3)

June 2, 1972

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**BOOST FOR MOUNTAIN CLIMBERS**—A check in the amount of \$60 was presented recently to Dr. Lee Lucas, president of the China Lake Mountain Rescue Group, by Mrs. Dave Carpenter, president of Xi Omicron Chapter of Beta Sigma Phi. The money, a portion of the proceeds from the sorority's Holiday Splendor fashion show, will be used to purchase 600 ft. of nylon rope needed by the mountain rescue group. The civic-minded sorority group has now contributed nearly \$200 that will be used to assist the Indian Wells Valley Pony Colt League, the I.W.V. Music Parents Club and a Sunday School class for mentally retarded children.

## Library Lists New Books

Library Hours:  
Monday-Friday: 2-9 p.m.  
Saturday: 10 a.m.-6 p.m.

Readers are reminded that all employees, regardless of residence are eligible and most welcome to use the Center Library.

**FICTION**  
Crichton—Terminal Man.  
Egerton—Judas Mandate.  
Pfeiffer—LeMars 24.  
Plaidy—Murder Most Royal.  
Snow—Malcontents.  
Weltz—Optimist's Daughter.  
**NON-FICTION**  
Anderson—Home Refrigeration and Air Conditioning.  
Baldwin—No Name in the Street.  
Batterman—How To Star in Swimming and Diving.  
Fairhall—Russian Sea Power.  
Fried—A Pictorial History of the Carousel.

## The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

Adam W. J. Moran, USN  
NWC Commander

H. G. Wilson  
Technical Director

C. E. Van Hagan  
Head,  
Technical Information Department



## DIVINE SERVICES

**PROTESTANT**  
Sunday Worship Service 1000  
Sunday School All Ages 0830  
Sunday Evening Bible Study 1900  
Wednesday Bible Study 1130  
Wednesday Teenage Bible Study 0645  
Sunday School Classes are held in the Chapel Annex 1, 2 & 4 (Dorms 5, 6, 8) located opposite the Center Restaurant.  
Community First Sunday of the month

**ROMAN CATHOLIC**  
MASS  
Saturday 1700 fulfills Sunday obligation 0700 0830 1115

**BLESSED SACRAMENT CHAPEL**  
MASS  
Daily except Saturday 1130  
First Friday ONLY 1130 1700  
First Saturday ONLY 0830

**CONFESIONS**  
Saturday 1545 to 1645  
Sunday 0800 to 0825

**CDC CLASSES**  
Kindergarten through 5th grades 1000  
Wednesday 7th and 8th grades 1900  
As announced 9th through 12th grades

**JEWISH SERVICES**  
EAST WING ALL FAITH CHAPEL  
Friday 1st and 3rd ONLY

Sabbath Services 1000  
Saturday Sabbath School 1000 to 1200

**UNITARIANS**  
CHAPEL ANNEX #5

Services 1930

Don R. Yockey  
Editor

Jack C. Lindsey  
Associate Editor

Jeanne Schreiber  
Editorial Assistant

PH1 D.C. Manderscheid, PH2 E. R. Ortiz, PH2 G. L. Taylor, PH3 R. G. Mills, PH3 D. W. Yeatts  
DEADLINES:  
News Stories ..... Tuesday, 4:30 p.m.  
Photographs ..... Tuesday, 11:30 a.m.  
The Rocketeer receives American Forces Press Service material and other official U.S. news photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NavExos 35, revised July 1958. Office at Nimitz and auritzen. Information published in the rocketeer does not necessarily reflect the official views of the Department of Defense.

Phones ..... 3354, 3355, 2347  
Sunday Services 1930

## PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filled with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 652, Extension 2069. Current applications (SF-171), or Standard Form 172 should be submitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Clerk (Typing), GS-301-3, 4, or 5, PD No. 7075006, Code 752—is secretary to Head-Presentations Division. Duties include normal secretarial duties including receiving incoming telephone calls and personal callers, determining the identity of the caller and nature of the call. Maintains personnel and financial records for the division. Receives and prepares correspondence. Types scripts. Operates various types of typewriters including preparation of teleprompter scripts and other special script typewriters. Minimum Qualification Requirements: GS-3, one year of general experience; GS-4, one year general and one year specialized; GS-5, one year general and two years specialized. Job Relevant Criteria: Ability to operate or learn to operate dictating machine transcribers. Ability to operate or learn to operate special purpose typewriters such as used in preparation of teleprompter scripts.

File applications for above with Mary Morrison, Code 657, Bldg. 34, Rm. 210, Ph. 2032.

**Electronics Engineer**, GS-855-12, PD No. 7153009-1, Code 5533—General assignment is the design, development, testing, evaluation and documentation of telemetry units for this Center. The spectrum of duties ranges from original design through operational use of the telemetry system. Minimum Qualification Requirements: Three years professional experience, one year of which is equivalent to GS-11 level. Job Relevant Criteria: Broad background in electronic engineering discipline including solid-state electronics and specifically in the airborne telemetry area. Comprehension of other fields such as chemistry, mechanical engineering and metallurgy is required. Advancement Potential: GS-13.

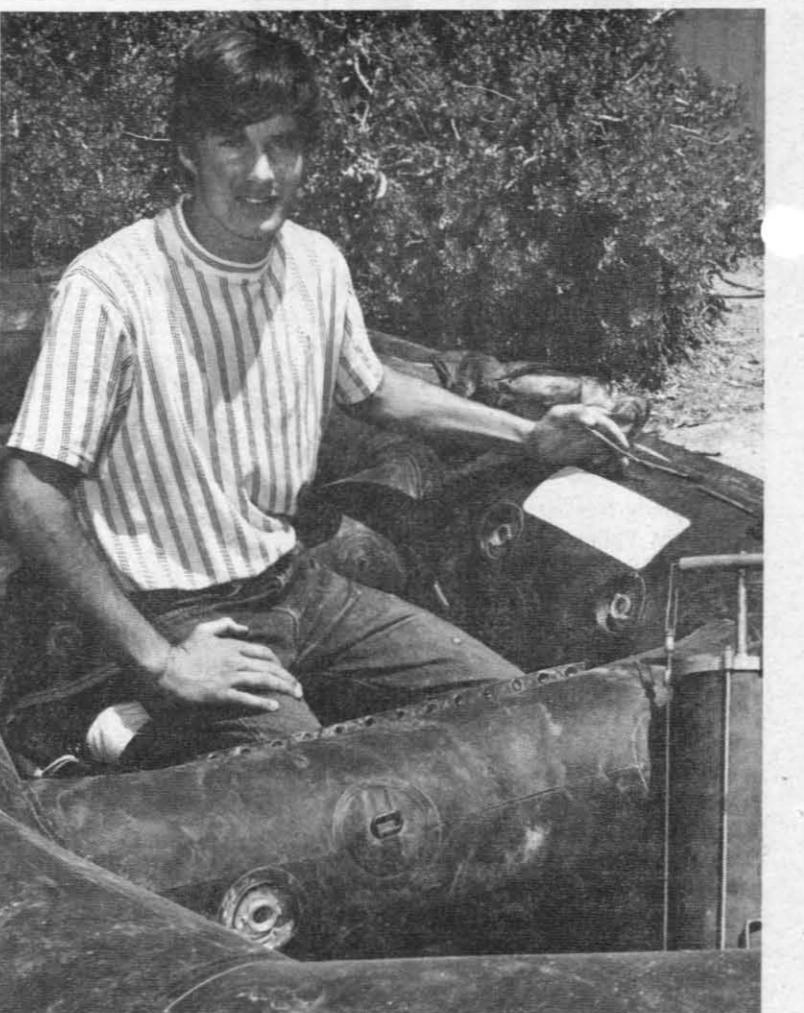
File applications for above with Joan Macintosh, Code 657, Ph. 2371.

**Aerospace Engineer**, GS-841-11, 12, or 13, PD No. 7235092, Code 3504—This position is that of project engineer for the HARM missile system. The incumbent will be responsible for the design and fabrication of the entire missile structure, including the control section. This will involve direct engineering design and technical direction of design and development efforts of functional groups on the Center and of contractors as well as a small group within the program office. The incumbent will provide overall structural design requirements, perform structural analysis, review test plans, and prepare technical reports. Job Relevant Criteria: Must have knowledge of structural test procedures and be able to plan tests, must be familiar with available testing machines, equipment and instruments, and be able to design new test equipment. Minimum Qualification Requirements: As defined in X-18.

File applications for above with Sue Pasolowicz, Bldg. 34, Rm. 204, Ph. 2577.

**Clerk-Typist**, GS-322-3 / 4, PD No. 725008 425016, 1 Vacancy, Code 252—Incumbent performs a variety of clerical and typing duties in support of the Division Head,

(Continued on Page 11)



**WHEN SCHOOL IS OUT**, it will be off to Idaho for Rick Roberts, Jr., a graduating senior at Burroughs High senior, who has lined up work as a boatman for Wilderness World, of Monterey, Calif. The local youth will be a part of the paid crew whose members will accompany vacationers on boat rides down the Salmon River in Idaho, the Stanislaus River in northern California, and the Colorado River. Young Roberts is shown seated in one of the rubber boats of the kind that he'll be guiding through river rapids this summer.

## Interesting Summer-time Job Lined Up by Youth

A summertime job that will be packed with fun and adventure has been lined up by Rick Roberts, Jr., an 18-year-old senior at Burroughs High School, who will be employed as a boatman by Wilderness World of Monterey, Calif.

Young Roberts, the son of Dr. and Mrs. Rick Roberts, of 35-B Sellars Circle, China Lake, will spend two months on river running trips down the middle and main forks of the Salmon River in Idaho.

Accompanied by his father he has previously gone down the Salmon River as a paying customer, and also made the same trip with his father and others in their own river boat.

Since river running can be done only at certain times of the year, young Roberts expects that he will be shifted from place to place as needed to help with such outings this summer.

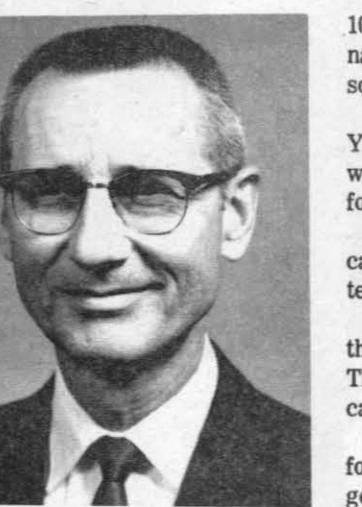
His plans once this exciting summer is over are to return home and enroll in classes at the Desert Campus of Bakersfield College.



**BIBLE SCHOOL PLANNING SESSION**—Adult leaders of the forthcoming Ecumenical Bible School, slated to get under way on June 12, gathered recently to make plans for the two-week class sessions. They are (seated, l-r): Chaplain Robert E. Osman, NWC Senior Chaplain; Lucile Peterson, arts and crafts chairman; Chaplain Ed Middleton, director of the school; Yolanda Casados, director of the seventh and eighth grade program; Anita Moulton, recreation director, and Patti Carroz, in charge of publicity.

—Photo by PH3 D. W. Yeatts

## Employee In the Spotlight



William E. Davis

should go with your work, and I take every advantage of it," he commented.

"Bill continuously works above and beyond what is required in his position description," stated Dr. Ward. "Because of his ability and attitude, the Commander and Technical Director regularly appoint Bill to committees and panels concerned with Center-wide problems," the Associate Technical Director added.

Born in Anderson, Ind., in 1921, Bill was graduated from Anderson High School and entered Anderson College prior to attending Butler University in Indianapolis, Ind. He received his BA degree in 1943 as a history and political science major.

Following that period of study, Bill entered the Harvard University's Graduate School of Business Administration and received his certificate in 1944. Then he entered the U.S. Navy's Amphibious Forces as a supply officer.

H. G. "Hack" Wilson, NWC Technical Director, said of Bill: "He has been a long-time leader in the development of the administrative staff functions of the departments. In addition, he has been active in the establishment of the Work Experience Program between the Center and the local

high school, the expansion and operation of the Employee Services Board, and has been a high school board member. He is a fine employee . . ."

Bill served on the Administrative Development Committee of the Center from 1955-1969, the last 10 years as chairman. In addition, he has been a member of the Department Staff Assistants Council continuously since 1955 and a member of the Technical Administrative Panel since 1965.

In 1954 Bill was discharged from the Navy and accepted employment as head of the Administrative Division in the Public Works Department on the Center. From then on, the promotions came rapidly—in 1956 he was named associate head for administration, Propellants and Explosives Department (now the Propulsion Development Department) and in 1960 was selected as head of staff of the former Aviation Ordnance Department.

"The Regional Center combines three districts—Kern, Wasco and Delano—which joined to form a group to provide vocational education for the high school districts," Bill explained. "We haven't had any of the programs at Burroughs High School, yet," he pointed out, "but we will make it this fall. We plan to offer training in auto services, clerical and possibly an electronic equipment maintenance course," he said.

"I think NWC is a tremendous place to work," Bill said. "I particularly enjoy the work atmosphere, and consider the freedom to do challenging jobs a definite plus sign for the Center," he added.

He is a past Sunday School teacher and Sunday School superintendent for the American Baptist Church, and a member of the All Faith Chapel's Lay Council and Choir. Bill has belonged to the Burroughs High School PTA since 1955, and served as treasurer and parliamentarian of that group from 1966 through 1968. In 1969 he was made an honorary life member of the PTA.

Bill's other hobbies are quiet ones—collecting coins and stamps, but he also enjoys ping pong, running and watching track and field events and the like.

## Girls' Softball...

(Continued from Page 10)  
tributed two round-trippers, one of which was a grand-slam.

In the American League (ages 10-12), the Yankees squeezed out a narrow win over the Angels by the score of 5 to 4.

The leading hitter for the Yankees was Celeste Butterfield, with two hits. The winning pitcher for the Yankees was Mary Wirtz.

Renda Total of the Angels also came through with two hits for her team, though to no avail.

There were two games played in the National League (ages 13-16). The Braves met the Giants and came out with a win of 8 to 6.

Julie Clodt was the leading hitter for the Yankees and managed to get two hits. Robin Harbin, of the Giants, played an outstanding defense for her team in an effort to stop the Yankees.

The second National League game was between the Dodgers and the Cardinals.

The Dodgers walked away from this one victorious, by scoring 15 runs to the Cardinals' 12. They were aided in their win by players like Karen Newmeyer, who hit a 3-run homer to lead the Dodgers at the plate.

Women's Softball

In women's softball last Friday, May 26, JD's trounced the Pioneers by a score of 26 to 5.

The Pioneers seemed to be no match for JD's hitting attack. A terrible blow was dealt the Pioneers when Jerrie Dabbs came to bat and smashed a grand-slam home run.

In other action in women's softball, the Saints came away with a win over the Sandpipers, 30 to 5. Pat Bennett and Terrie Giles led the hitting, and knocked in four runs each.

## June Pool Hours

The Center gymnasium swimming pool's hours of operation for the month of June, have been announced by Marty Denkin, athletic director.

The schedule begins on Monday, June 12, as follows:

Mondays, 1 to 6 p.m.; Tuesday through Friday, 1 to 9 p.m.; Saturdays, 11 a.m. to 5 p.m., and on Sundays and holidays, 1 to 5 p.m.

Since 1969 he has served as a member of the Kern High School District board of trustees and also has been on the board for the Regional Occupational Center of Kern County since 1970.

In 1970, Bill assumed his present job, that of head of staff for the Electronic Systems Department.

Along the way he has picked up three Outstanding Performance Ratings, one Superior Accomplishment Award, three Sustained Superior Performance Awards, and three Quality Salary Increases. In 1967, he was awarded a Fellow in Management.

"I think NWC is a tremendous place to work," Bill said. "I particularly enjoy the work atmosphere, and consider the freedom to do challenging jobs a definite plus sign for the Center," he added.

He is a past Sunday School teacher and Sunday School superintendent for the American Baptist Church, and a member of the All Faith Chapel's Lay Council and Choir. Bill has belonged to the Burroughs High School PTA since 1955, and served as treasurer and parliamentarian of that group from 1966 through 1968. In 1969 he was made an honorary life member of the PTA.

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The Naval Weapons Center has been active in the area of cooperative work study programs for more than 10 years, and the effort is considered very successful. Approximately 50 per cent of all co-op students who have received assignments at NWC later have accepted permanent employment here.

The co-op program provides the student with an opportunity to experience the atmosphere of practical work. In this way he has a chance to apply what has been learned in the classroom to true work situations. With this opportunity, a student can find many areas in his academic discipline which are unfamiliar to him and provide him with a natural and practical interest that will be beneficial to his academic learning experiences.

In addition to the practical benefits of having a student working in various capacities, the Center benefits by being provided with a source of college graduates for entry level positions in professional, administrative and technical fields who have had previous experience with the Federal Government.

## PROMOTIONAL OPPORTUNITIES

(Continued from Page

division head, Services as recipient, compiles and reviews correspondence, does typing and establishes the division files. Job Relevant Criteria: Ability to work independently, ability to do the clerical work especially as it is performed in an R&D activity, ability to deal effectively with people. Minimum Qualification Requirements: 2½ years of general experience and one-half year of specialized experience. Specialized experience is experience in secretarial work which has involved responsibility for serving as the principal personal office assistant to a designated supervisor, and which has included participation in the work of the supervisor through a close and direct working relationship. Current applicants need not reapply.

**Director of Security**, GS-301-14, PD No. 728409, Code 84—Plans and directs the security program for the Center, including industrial, physical, and personnel security, as well as fire and police protection for the entire China Lake community. Job Relevant Criteria: Demonstrated telephone reception, typing and record keeping skills. Must be able to work with accuracy and with a minimum of supervision.

File applications for above with Linda Grossman, Bldg. 34, Rm. 204, Ph. 3118.



## In The Catbird Seat

By Jack Lindsey

Early registration for participation in next fall's program of the Indian Wells Valley Youth Football League will be held on Saturday between 9 a.m. and 2 p.m. at both Kelly Field (adjoining Murray School) and at Ridgecrest Park.

The registration date was moved up, league officials said, in order to eliminate the possibility that youngsters will miss the signups due to being away on summer vacation.

A similar registration also will be held on Saturday, June 10, from 9 a.m. to 2 p.m. at Inyokern Park for the benefit of youngsters living in that area.

The registration fee is \$15 per player, and \$3 of this fee is due at registration time. The remaining \$12 will be payable when uniforms are issued. A physical examination also will be required prior to the beginning of Youth Football League play.

League officials have requested that parents accompany their boys to the registration and bring with them proof of their youngster's age.

The IWV Youth Football League is divided into three divisions. Players range from youngsters 8 years of age who weigh a minimum of 50 lb. up to eighth graders who can weigh a maximum of 175 lb.

League officials and other interested persons meet on the second Monday of each month at 7:30 p.m. at the China Lake Community Center. The meetings are open to all parents and other sports fans.

Men interested in being team coaches or officials during the 1972 football season are urged to attend the June 12 meeting. Additional information can be obtained by calling Les Mayer at 446-2760.

**NAF SWIM POOL CLOSED**  
The Naval Air Facility swimming pool will be closed to general patronage today (Friday, June 2) starting at noon and continuing for the remainder of the day. Regular hours of operation at the NAF swimming pool will be resumed on Saturday.

**SUMMER ATHLETICS**  
Beginning on June 12 and continuing until the end of July, NWC Special Services will sponsor a summer athletic program that is to take place in the Center gymnasium. Tournaments in badminton, ping pong, handball, intramural basketball and a one-on-one basketball program will be held.

The tournaments will be free of charge to all. There will be two divisions in each program—one for youths 15 to 18 years of age, and the other for all those over 18 years of age.

(Continued on Page 12)



VX-5 SPONSORS GIANTS—Woody Chartier, left, manager of the Giants, a China Lake Little League Major Division team, accepts a check for \$200 from Cmdr. Phil Johnson, VX-5 Operations Officer. The money was donated by officers and enlisted men of Air Test and Evaluation Squadron Five, and will be used to purchase uniforms, equipment and for general operation of the team.

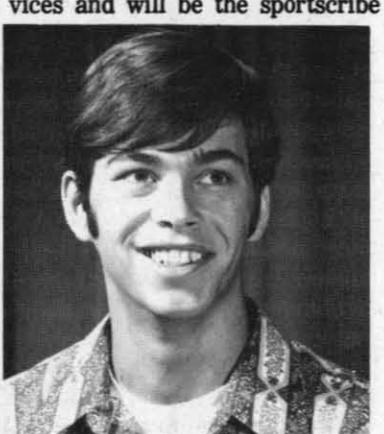
## Little League Teams Tied For 2nd Half Season Lead

At the end of the first week of play in the second half of the China Lake Little League's Major Division, all of the teams are tied with identical records: 1 win, 1 loss.

Results of the games played, beginning with Wednesday, May 24, are as follows:

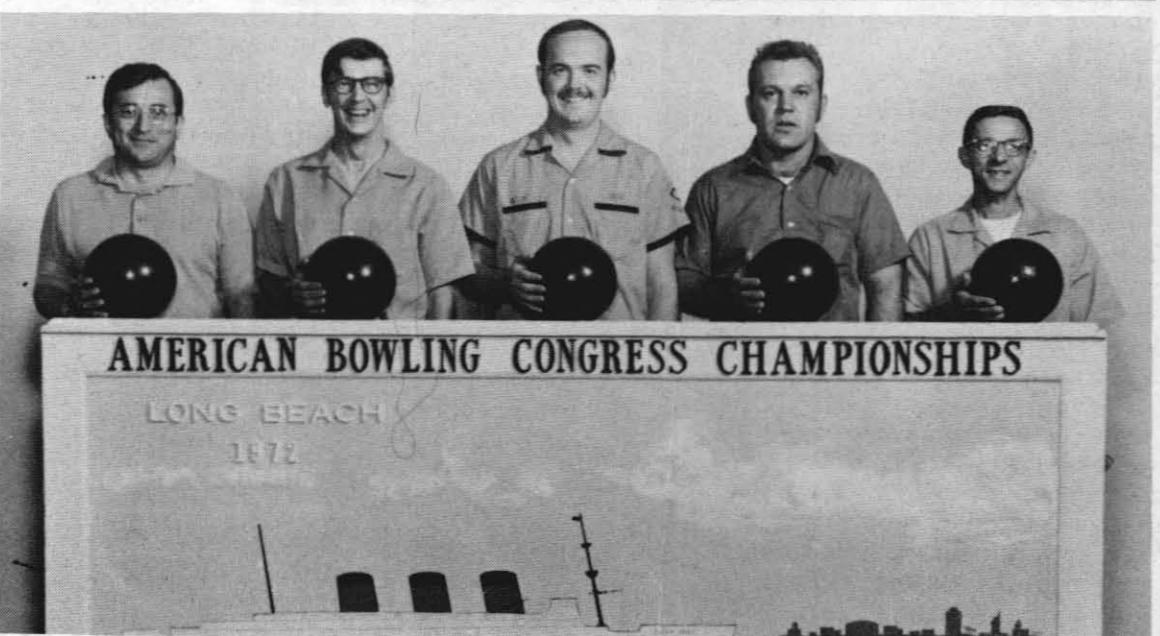
### Rick Jackson Now Handling Sports News

A new face has been added to the staff of The ROCKETEER. Rick Jackson, 20, a sailor stationed at NAF in the weather detachment, joined the ranks of Special Services and will be the sportscribe



Rick Jackson  
for the happenings on the Center in the sporting and Special Services circles.

(Continued on Page 11)



PLACE 15th IN NATIONAL TOURNAMENT—Members of the NAF-China Lake bowling team, composed of military enlisted personnel from NWC, received word recently that their total of 2,464 pins was good enough for 15th place in the national American Bowling Congress Championship Tournament's booster division. The tournament took place at Long Beach, Calif. The team members are, (l.-r.): Lt. Dale Bennett, NWC; Keith Morgan, NAF; Bob Young, VX-5; Ray Brode, NAF and John Wilhorn, NAF. Bennett led the team with a 611 series. The booster division is composed of teams with averages totaling 850 or lower.

(Continued on Page 12)

All residents of the Indian Wells Valley are invited to the 7th annual Bishop Softball Classic, to be held Friday, Saturday and Sunday, June 16, 17 and 18 at Bishop Park. The tournament is sponsored by the Bishop Chamber of Commerce, and topflight softball teams from throughout California and Nevada will participate. Admission is free.

### Residents Invited to Softball Tourney

Saturday, and a final three games are scheduled for Sunday. The tournament is sponsored by the Bishop Chamber of Commerce, and topflight softball teams from throughout California and Nevada will participate.

The first games will begin at 6:30 p.m. on Friday, with 11 more games to be played on Saturday.

Admission is free.

(Continued on Page 11)



PLACE 15th IN NATIONAL TOURNAMENT—Members of the NAF-China Lake bowling team, composed of military enlisted personnel from NWC, received word recently that their total of 2,464 pins was good enough for 15th place in the national American Bowling Congress Championship Tournament's booster division. The tournament took place at Long Beach, Calif. The team members are, (l.-r.): Lt. Dale Bennett, NWC; Keith Morgan, NAF; Bob Young, VX-5; Ray Brode, NAF and John Wilhorn, NAF. Bennett led the team with a 611 series. The booster division is composed of teams with averages totaling 850 or lower.

(Continued on Page 12)

### ROCKETEER

## Spotlight On Sports

By Jack Learned

(Editors Note: This is Jack Learned's final column for The ROCKETEER. Following his discharge in late June, he will attend the University of Arizona as a junior, majoring in television and radio production. Prior to entering school, he will take a short vacation in his native Wyoming.)

The Golden Anchor Golf Tournament of late underscored not only the talented competitors, but many of the tireless people behind the scenes. Suffice it to say the entire shindig was a blast, and the camaraderie that captured golfers and spectators alike was most heartening.

If you weren't involved, I can tell you most definitely the fun didn't set with the sun! If you were involved, ho ho.

The Saturday post-play bash at the CPO Club was heard all the way to Las Vegas! Club Manager Barney Barnard was the perfect host, and obviously a man who enjoys his work. The prime rib dinner was superb, and the cold duck nearly elegant. Thanks, Barney, for the invite.

Competition was keen throughout the two-day affair and even the final hole of regulation play proved not to be enough—a play-off was needed to determine the outcome of second through sixth place. To many players, winners and losers alike, the real champion of the tourney was the course itself. Praise was heard from all corners for the condition of the greens, brought to their present condition by six hard-working men in the course maintenance office. These men are: Bill Cowan, Dale Dowd, Jay Josey, Doug Allen, Mike Smith and Larry Freeman.

(Continued on Page 11)

The Spring Tennis Tournament, sponsored each year by the China Lake Tennis Club, winds tomorrow at two different locations. Novice play is being staged at the Burroughs High School courts, while open division competition is set for the Center's courts.

Lots of fine local talent is entered in the four-day, two-weekend event. Spectators are welcome. Action at both locations will get underway at 8:30 in the morning each day of the tournament.

(Continued on Page 11)

This, regrettably, (for me, at least), is my final column. It has been a pleasure to follow the sporting activities of China Lake. I've met, and competed against, some of the finest people I've known in my young life.

Also, the staff of The ROCKETEER has given me untold assistance and encouragement, which I could never repay. My sincerest thanks to the several people who have helped me in my journalistic trials and tribulations.

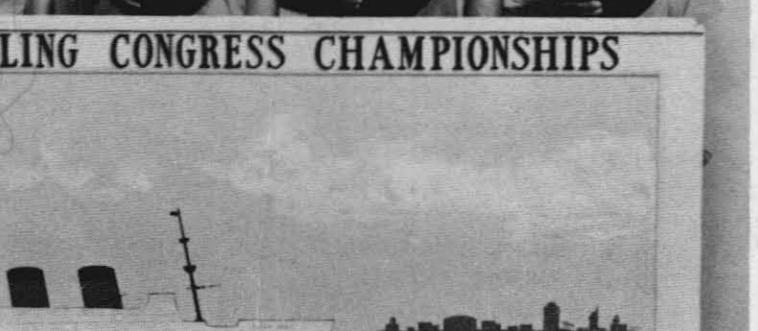
By the time you read this, I should be somewhere along the Snake River in the Jackson Hole country of wonderful Wyoming. In the high mountains and crisp air of that majestic Valley, I'll spend some time chasing a particular King Rainbow trout that has been eluding me for some 15-odd years. If my luck holds out, I'll catch him this trip.

### Girls' Softball Season Opens

The girls' softball teams opened their season last Tuesday by playing four games. In the Minor League (ages 8-9) it was the Hawks over the Eagles, 24 to 0.

Gaye Edwards, of the Hawks, was the winning pitcher and contributed a home run, while Kellie Ireland, a teammate, con-

(Continued on Page 11)



PLACE 15th IN NATIONAL TOURNAMENT—Members of the NAF-China Lake bowling team, composed of military enlisted personnel from NWC, received word recently that their total of 2,464 pins was good enough for 15th place in the national American Bowling Congress Championship Tournament's booster division. The tournament took place at Long Beach, Calif. The team members are, (l.-r.): Lt. Dale Bennett, NWC; Keith Morgan, NAF; Bob Young, VX-5; Ray Brode, NAF and John Wilhorn, NAF. Bennett led the team with a 611 series. The booster division is composed of teams with averages totaling 850 or lower.

(Continued on Page 12)



WORD GOES OUT ON SAVINGS BONDS—Keith E. Russon (at left), area representative for the U.S. Savings Bond Division of the Department of the Treasury, was here on Wednesday of last week to present information to department keymen and others as a prelude to the Payroll Savings Bond campaign that is currently under way at the Naval Weapons Center. The drive to encourage NWC employees and military personnel to join in the government-wide Savings Bond Campaign began Tuesday and will continue through next Friday, June 9.

## Information Meetings Held as Prelude To Payroll Savings Bond Campaign Here

A series of informational meetings were held at the Community Center on Wednesday, May 24, to set the stage for an intensive Payroll Savings Bonds campaign.

Marceil Boles, Employee Relations Specialist of the Personnel Department, Russon, a former public relations manager in industry and a lieutenant colonel in the Air Force Reserve, very ably presented some of the highlights of the Savings Bonds and Payroll Savings Bonds allotments from at least 10 per cent of the present savers.

He was able to present many facts not generally considered before, and he answered questions skillfully, displaying considerable knowledge of Savings Bonds and the program.

A movie, entitled "The Winning Hand," based on the "Odd Couple" TV series, was shown to each group. The movie was well-received by those viewing it. The film re-emphasized some of the greater values of owning Savings Bonds through the automatic savings plan. Though some of the methods of selling employed by Tony Randall of the "Odd Couple" fame were a bit unorthodox, his humorous approach was at least

thought provoking.

The goal of the Payroll Savings Bonds campaign this year is three-fold:

1. To increase participation to a minimum of 80 per cent.

2. To obtain increased Savings Bonds allotments from at least 10 per cent of the present savers.

3. To install a sustaining program whereby all new employees are given the opportunity to enroll.

Today, U.S. Savings Bonds are better than ever. The new bonus interest rate of 5½ per cent when held to maturity of 5 years and 10 months is an inducement to prospective savers. The new Federal pay raise offers employees an added inducement to sign up for the Payroll Savings Plan or to increase their present allotments if already enrolled.

Keith E. Russon, area representative for the U.S. Savings Bonds Division of the Department of the Treasury, was introduced by Mrs.

### Talk Slated

On Mariner Visit to Mars

A talk about the "Mariner Mission to Mars—1971" will highlight this month's dinner meeting of the China Lake chapters of the American Institute of Aeronautics and Astronautics (AIAA) and the California Society for Professional Engineers (CPE).

The speaker will be Lyndon J. Watson, Facility and Operations Manager for Mission Control and the Computing Center at the Jet Propulsion Laboratory.

Watson, who received both his bachelor's and master's degrees from Arizona State University, has been employed at JPL for the past 10 years, and helped in the design of the Mission Control and Computing Center.

Any member of the general public (with few exceptions) may bid on the items, provided they are 21 years of age or older. Both military and Civil Service employees are eligible to bid.

Successful bidders will be allowed five days free removal time before storage charges are applied to the cost of their purchase. Property successfully bid on must be fully paid for prior to pick-up.

A social hour will precede the 7 p.m. dinner, and the talk by Watson is scheduled to begin at 8 o'clock.

## Deputy Commander Retires...

(Continued from Page 1)  
officer of the Submarines Sea Devil and Bonita.

The next two years, from June, 1955, through August, 1957, found Capt. May at the Bureau of Naval Personnel, where, as head of the Enlisted Schools Assignment Section, his duties included selection of personnel for submarine and nuclear power duty.

A year at the Naval War College, preceded 9½ years of more submarine-associated duty including serving on the staff of Submarine Development Group Two, Commander of Submarine Division 21, on the staff of the Commander of the Submarine Force Pacific and as Commander of Submarine Squadron Three.

Capt. May left this latter post in January, 1968, to become Commander of the Oceanographic System, U.S. Fleet. In this

## Automatic Control Systems...

(Continued from Page 1)  
seeker designed at NWC consists of a sensor, either a TV camera or infrared sensitive detector. The camera or detector detects the presence of a target. A comparator is required which determines the location of the target with respect to the seeker reference. Velocity or position sensors are required which measure relative seeker target angular rates or angles.

Those who work in the control system engineering field require a broad background in physics, chemistry, pure and applied mathematics, engineering design techniques, and simulation techniques. Such diversification is required because a single control system may contain an electronic amplifier, a hydraulic operated power element, a solid state detector, a mechanical structure, and a gyroscope. Successful design requires a detailed understanding of the operating principles and characteristics of the components.

Major weapons systems designed and developed at NWC have automatic control systems as vital subsystems. Successful operation of these control systems is critical to weapons systems effectiveness. The designers of these systems must have diverse and detailed knowledge of several different fields of mathematics, science, and engineering in order to insure the control system's success.

## Festival Open...

(Continued from Page 1)  
refreshment booths at the Spring Festival. Among the items being offered for sale are pizza pie, tacos and chili, hamburgers, fried chicken, corn on the cob and ice cream.

In addition to the carnival games and rides manned by the SJM Fiesta Shows, two local groups—the Indian Wells Valley Council for Retarded Children and the Catholic Youth Organization—are operating games booths on the midway as fund-raising ventures.

## Statistics Course

Enrollment forms are now being accepted for a Personnel Development Opportunity course entitled Statistics in Public Administration that is to be held in Room 107 of the NWC Training Center on weekdays from June 19 through July 21.

The five week course is to be taught by James Vigen, associate professor in Business and Public Administration at California State College in Bakersfield.

—Photo by ADJ2 Gary Kynard

# Navy Relief Contributions Hit \$5,777 Mark

## Total Reached In Second Week Of Fund Drive

Contributions to the Navy Relief Fund Drive totalled \$5,777 at the end of the second week (Friday, May 26), according to Cmdr. R. C. Good, coordinator of the 1972 campaign.

"Donations to the drive have been steady," reported Cmdr. Good, "but we're a long way from our goal of 100 per cent participation," he reminded.

Weekly prizes have been given to contributors as an incentive for donations. The winners of the second week's prizes were:

RM1 Robert Jennings, a 10-speed bicycle from Western Auto; Capt. Joseph Jewett, a \$10 gift certificate from Mode O'Day; Shirley Stephenson, an Old Spice gift set from French's; Jean Ziegler, a bottle of Taboo cologne, from the Station Pharmacy; a Mr. Takahashi, who won a painting from Hamel's Furniture Store, and Lt. Cmdr. D. T. Coffee, who was presented an end table from Rizzardi's Furniture Store.

**NAVY RELIEF VOLUNTEERS GRADUATE**—Rear Adm. W. J. Moran, NWC Commander, presents a certificate to Nancy MacAskill signifying her completion of a course which trained her to work as a Navy Relief volunteer. Mrs. T. D. Stephenson, head of the volunteer unit at NWC, looks on. Fourteen NWC wives were graduated recently from the course, which was taught by Mrs. Laura J. Wrath, of Long Beach.

—Photo by PH2 G. L. Taylor

## High School Schedules Evening Classes During Fall Semester

Plans have been announced by the Burroughs High School administration to schedule some regular classes during after-school and evening hours, beginning next September with the start of the 1972-73 school year.

This move is being made, Burroughs High officials explained, in order to bring about better utilization of existing facilities and also in order to meet

## Baccalaureate Program Slated For BHS Seniors

The traditional Baccalaureate ceremony for graduating seniors at Burroughs High School will be held on Sunday at 2:30 p.m. in the Lecture Center on the Burroughs campus.

The ceremony, sponsored by the Church of Jesus Christ of Latter Day Saints, is not mandatory, however, all seniors are encouraged to participate in the program, which represents the spiritual aspect of high school graduation.

The program will center around the Baccalaureate address by Bishop J. Gordon Shumway. Music will be provided by Wayne Teeter on the organ, and the Ridgecrest Mormon Choir, under the direction of Elder Warren Kirk and Mrs. Mary Beth Andreassen. Accompanist for the choir will be Mrs. Doris Bullock.

John M. Cissne, principal of Burroughs High School, will deliver a welcoming address. Seniors who participate in the Baccalaureate are asked to report to the green room in the Lecture Center, dressed in cap and gown, no later than 2 p.m. on Sunday.

Parents and friends of graduates, plus all other interested persons, are invited to attend. There is no admission charge.



—Photo by PH2 G. L. Taylor

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**DIVISION HEADS CITED**—Ben M. Hartman (at right) head of the Security Department's Security Operations Division, and S. L. Kaupp, head of the Police Division, were the recent recipients of Outstanding Performance Ratings and Quality Step Increases. Certificates denoting this fact were presented by Dr. N. E. Ward (front, left), Associate Technical Director, and Capt. A. E. May, former NWC Deputy Commander.



**SUPPLY DEPARTMENT AWARDS**—Capt. E. M. Wieseke, Director of Supply, recently presented Outstanding, Sustained Superior and Quality Step Increase awards to employees in his department. Recipients are (photo at left), l-r: Charlotte Eady, Aaron Connally, Harold Stalnaker, Andy Moody and Glenn Harbin, and (photo at right), l-r: Grace Sroufe, Marion Hartnett, Margaret Grisham, Blanche McKernan and Donald Godsey.



**IN RECOGNITION** of their outstanding work effort during the past year, six employees of the Engineering Department's Electromechanical Division were the recipients of Quality Step Increases (QSI), Sustained Superior Performance (SSP) and Outstanding Performance Ratings (OPR) that were presented by Francis L. Carlisle (at right), division head. QSI awards were presented to (from left) Dennis M. LeBlanc, Richard A. Tolkmitt and Gus Gaar, while Jerry Sturm, the division secretary, received both an SSP and OPR. QSI awards also went to (next in line) Kenneth E. Markel and E. B. Earle.



**TOP EFFORT REWARDED**—Others receiving awards from Central Staff are (standing, l-r): David Bennion, an Outstanding and Quality Step Increase (QSI); Willie Osborne, QSI; Walter Grattan, QSI; M. B. Sorge, who presented the awards; Judy Lind, QSI; Cynthia Schoenhals, Outstanding Performance rating and a QSI; Warren Higley, QSI. Seated l-r, are: Charlotte Ducate, QSI; Patty Van Skike, QSI; Ilo McMillan, recipient of a Superior Accomplishment Award, and Josephine Stewart, QSI. Not present for the photo was Dorothy Dandurand, who also received a QSI.

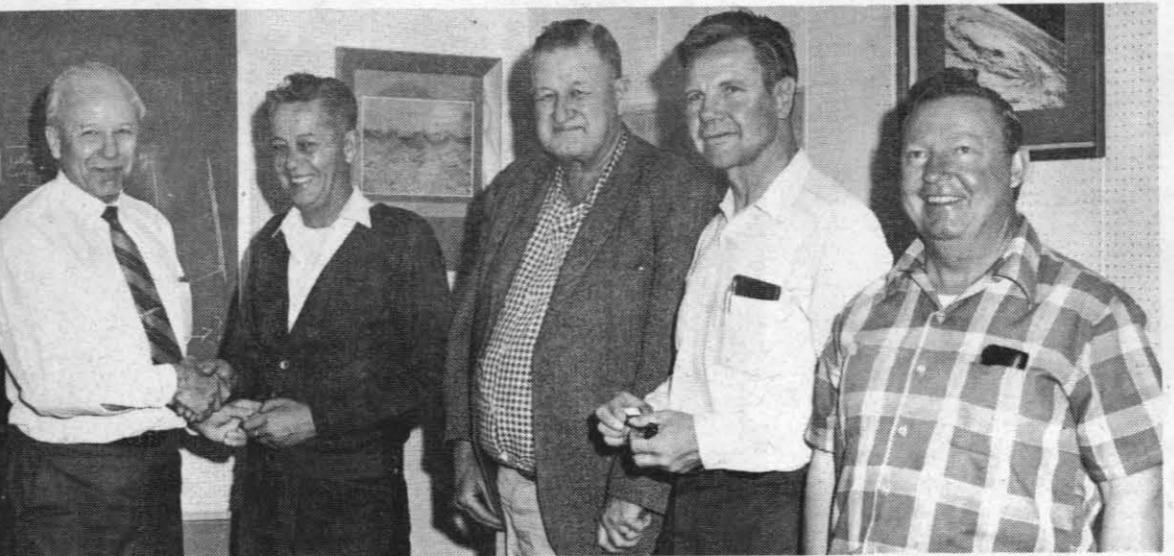


**FOR A TOPNOTCH JOB** as secretary in the Army Liaison Office, Mrs. Beverly J. Weisbrich was the recent recipient of an Outstanding Performance Rating and a Quality Step Increase. The presentation was made by Col. G. L. O'Grady, former Army liaison officer at NWC.

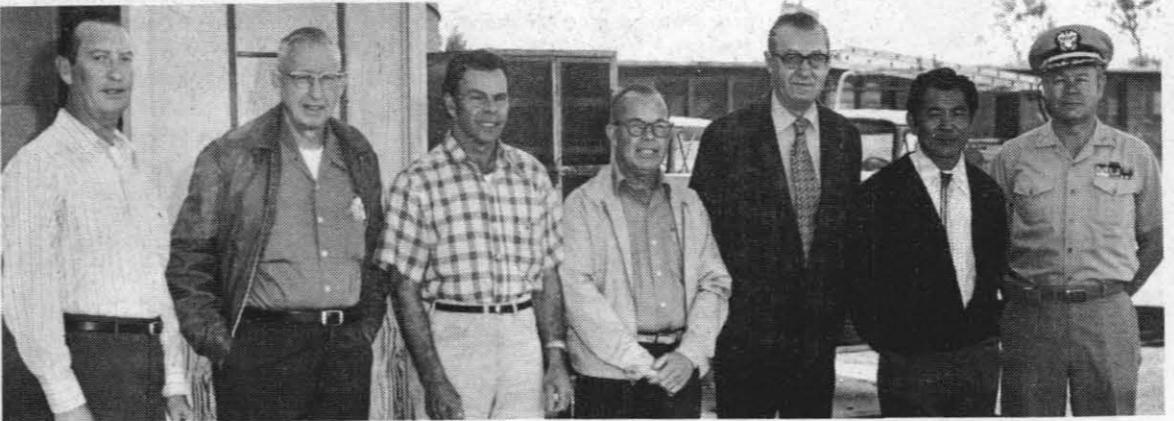


**PRESENTATION OF** an Outstanding Performance Rating and a Quality Step Increase was made recently by Col. E. D. Smith, U.S. Marine Corps Liaison Officer, to Mrs. Alice "Jeri" Morris, his office secretary.

## Camera Focuses on Award Presentations



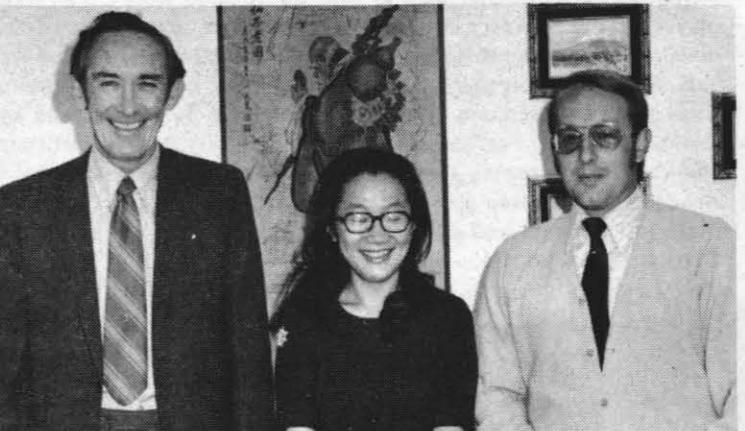
**SERVICE PINS PRESENTED**—A century of service is represented by this quartet of Research Department employees, who are shown after receiving service pins from Dr. Hugh Hunter (at left), department head. The recipients are (l-r) Dana Hams (30 years), Jr. Zelman (Tiny) Hohanshelf, Dr. Carl Heller, Jr., and Lawrence Cosner (20 years each).



**TOP EFFORT REWARDED**—Three employees in the Technical Information Department were congratulated by C. E. Van Hagan (at left), department head, after being notified that they had received outstanding performance ratings. The top-rated employees are (from left) Edith Huse, a supervisory technical publications editor (PS&E); Byron Butler, a motion picture production specialist, and Bill Fettkether, a photographer (scientific and technical).



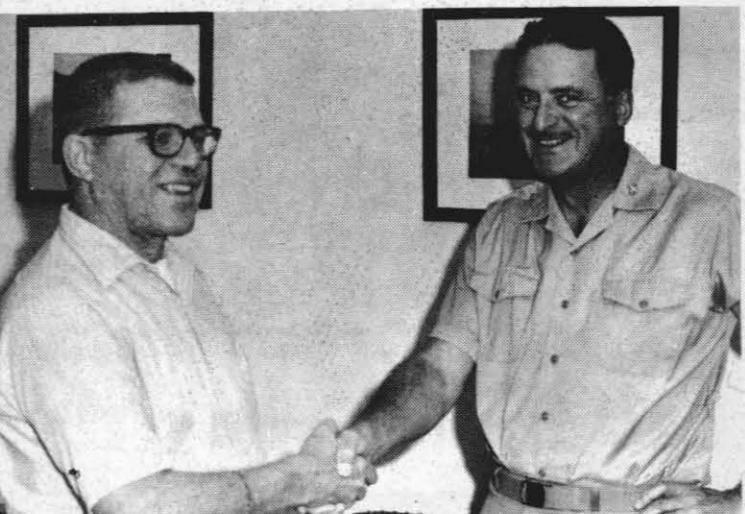
**SERVICE PINS PRESENTED**—Federal service pins recognizing their length of service were presented recently to D. T. McAllister (center) and Bill Miller (at right), by C. E. Van Hagan, head of the Technical Information Department. McAllister, an information specialist, has compiled 30 years of federal service, while Miller, a television production specialist, has been a federal employee for 20 years. Two other TID employees, Jack Durk and R. L. Burks, also were the recipients of 10 year pins.



**STELLAR EFFORT RECOGNIZED**—Two employees in the Personnel Department, headed by Ray Harrison (at left), who made the presentations, were the recent recipients of special awards in recognition of their outstanding performance on the job. Eva Bien (center) received a Superior Achievement Award for her work as head of the Employee Development Division, while Dan D'Anza (at right) was given a Quality Step Increase for his handling of the duties of head of the Employee Management Relations Division.



**CENTRAL STAFF AWARDS**—Eight employees of Central Staff were honored recently at a performance awards ceremony held in the office of M. B. Sorge, head of Central Staff. Shown with Sorge (standing in center) are Rose Bartell and Carolyn Sprouse (on left) who received a Group Superior Accomplishment Award, and (on right) Nuggette Horton and Lillie Michau, who also received a Group Superior Accomplishment. Seated (l. to r.) are Betty Robertson, Jan Hoagland, Rose Gonzales and Hazel Coleman, who received a Group Achievement award, along with Anna Hinz, who was not present for the photograph. In addition, Betty Robertson received a 20 year Federal length of service pin.



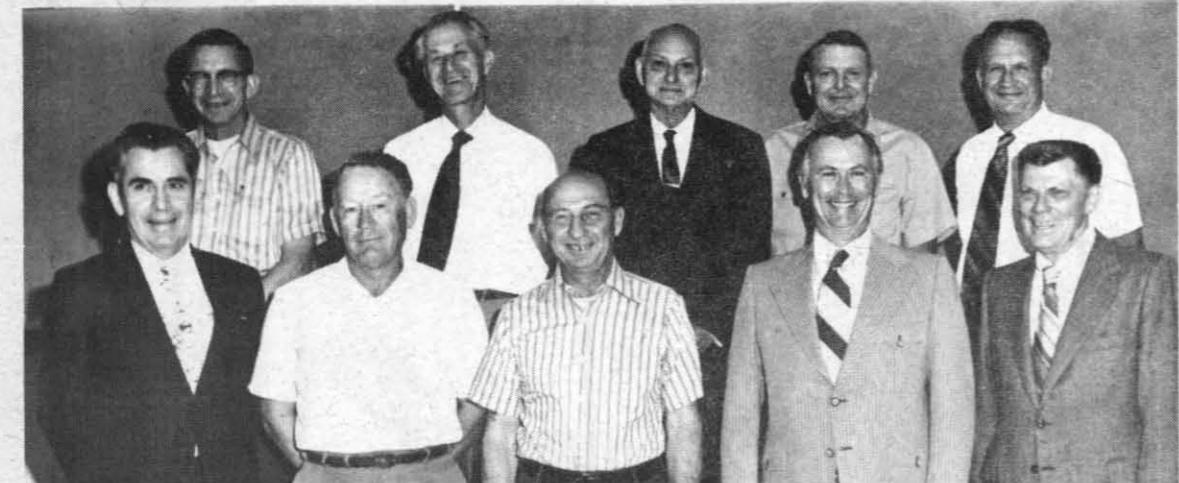
**TOP JOB DONE**—Daniel Herrington (at left) was the recent recipient of a Quality Step Increase for his work as a voucher examiner in the Supply Department's Receipt Control Branch. Herrington is shown being congratulated by Capt. E. M. Wieseke, the NWC Director of Supply, for earning the QSI which was based on Herrington's efforts in resolving problems on older contracts, clearing away outstanding balances amounting to more than \$100,000. In addition, Herrington initiated a cross reference system, using IBM data cards, which has expedited payment of rental on all copy machines used on the Center.



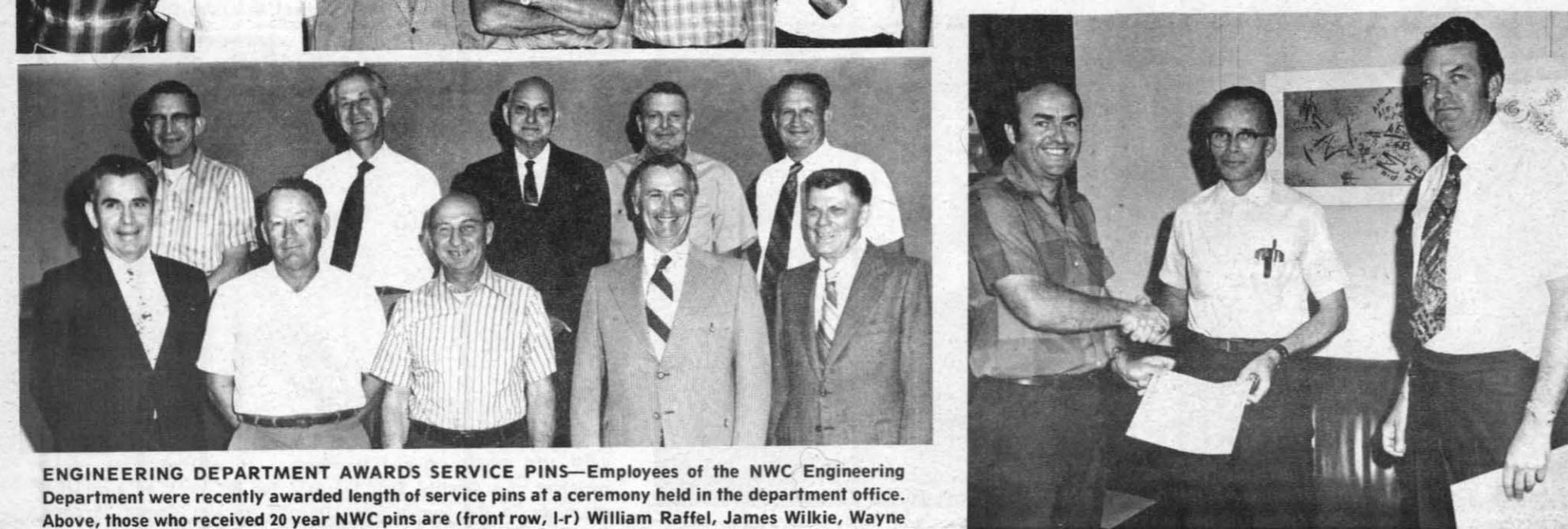
**EMPLOYEES IN THE** Engineering Department's Ground Operations Division whose work during the past year has earned them Quality Step Increases (QSI) and Sustained Superior Performance (SSP) awards are shown with (on right) Ray M. Nelson, head of the Track Branch, and Ray Schreiber, head of the Ground Operations Division, who presented the awards. The recipients were (from left) Gilbert M. Cope, Frederick H. Weals and Barbara A. Frederick, QSI, and Edward Mierta and Dottie I. McGrath, who received SSP awards.



**AWARDS IN RECOGNITION** of their exceptional work performance were presented recently to employees in the Engineering Department's Quality Engineering Division by Dale R. Randle (at right), division head. Also present for the award ceremony were three branch heads, Eddie G. Nelson, Code 5515, who also received a Quality Step Increase, Don L. Featherston, Code 5512, and John W. Hensley, Code 5516. Pictured are (from left) Walter F. Kowalski, who received a Sustained Superior Performance Award; Featherston, head of the Quality Assurance Branch; Cheryl A. Preul, who received a Quality Step Increase; Paul A. Phillips, recipient of a QSI and Outstanding Performance Rating; Branch Heads Nelson and Henley, who are in charge of the Standards and Calibration Lab and the Materials Process and Evaluation Branch, respectively; Rudo G. Muro, who received a QSI, and Division Head Randle.



**ENGINEERING DEPARTMENT AWARDS SERVICE PINS**—Employees of the NWC Engineering Department were recently awarded length of service pins at a ceremony held in the department office. Above, those who received 20 year NWC pins are (front row, l-r) William Raffel, James Wilkie, Wayne Zellmer, Alfred Flood, Carroll Evans and Alan Beggs, and (back row, l-r) Gregorio Paca, John Rowell, Lillian Fletcher, John Strommen, Marie McArtor, Herbert Russell and Robert Rockwell. Recipients of 3 year Federal pins (in lower photo) are shown with Dr. I. E. Highberg, at right, Engineering Department head, who presented the awards. They are (front row, from left) Maurice Curtis, Francis Fisher, Franklin Lords and Peter Nicol. In the back row are, l-r: Donald Johnson, William Kelly, David Tucker, Willie Guise and Kenneth Seaman. In addition to receiving 20 year NWC pins, Raffel and Evans were also presented with 20 year Federal pins.



**HIGH QUALITY WORK** by two employees of the Engineering Department's Product Design Division has earned them Quality Step Increases that were presented recently by Burrell Hays (at left) division head. The recipients are Ernie Diede (center) head of the Guidance Branch, and Alan Beggs, manager of the Sparrow missile program.



**SIX EMPLOYEES** in the Engineering Department's Technical Data Division were the recent recipients of awards in recognition of their stellar effort on the job. The presentations were made by Ray Reed (at right) division head, to (from left) Edward W. McDowell and John C. Ernst, Outstanding Performance Ratings (OSR) and Quality Step Increases (QSI); Robert T. Downing, QSI; Maryjane Frank, Sustained Superior Performance; Florence E. Pickelheimer and Phyllis K. McKinney, OSR and QSI.



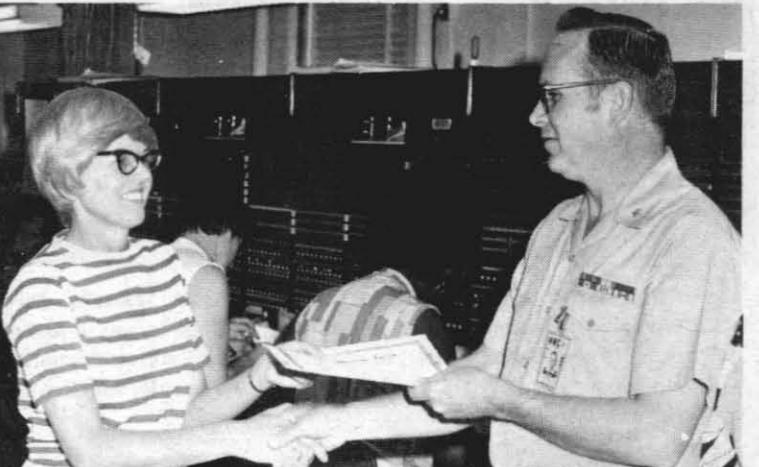
**NO LESS THAN 16** employees in the Engineering Department's Mechanical Division were the recent recipients of awards in recognition of their exceptional performance on the job. The awards were presented by J. J. Deffes, division head, to the following: Front row (l-r.) Hartley H. Braspenningckx, Outstanding Performance Rating (OSR) and Sustained Superior Performance (SSP) award; Lola D. Adams and Judy L. Thurman, Quality Step Increase (QSI) and OSR; Lawrence Thurm, OSR and SSP; Herbert C. Mattox and Franklin D. Lords, SSP. Award winners in the back row are (l-r.) William T. Cooper, QSI; James H. Lewis, OSR and SSP; Raymond R. McClelland, SSP; Lyman G. Vance, Jr., OSR and SSP; Robert H. Moore, SSP; Clinton B. Hill, QSI, and Arthur H. Pahkama, SSP. Three award winners, James M. Egbert and Henry L. Olinger, SSP, and Burton H. Kaucher, OSR and SSP, were unable to be present for the photo.



**BRANCH HEADS** in the Engineering Department's Product Design Division called a meeting recently during which Quality Step Increases were presented to employees whose work has been outstanding during the past year. The QSI recipients and branch heads shown above are (from left) Clara Bower, Ernie Diede (head of Code 5531), Roger Harley, Lloyd Shreve (head of Code 5532), Bob Stratton, Francis LaPierre (head of Code 5533), Carl Peters, Linda Winch, Don Johnson (head of Code 5534), and Charles Knowles. One of the award winners (Stratton) received an Outstanding Performance Rating, in addition to a QSI, and one other QSI winner (Richard Smith) was unable to be present for the photo.



**QUALITY STEP INCREASES** were awarded recently to three employees in the Engineering Department's Weapons Systems Management Division by Ernie Cozzens (at right), division head. Looking on as Cozzens presented the awards to Robert A. Byrne and Vivian Liszka is Larry Ellefson (at left), head of the Conventional Weapons Office. Mrs. Liszka also received an Outstanding Performance Rating along with her QSI. Another employee in this division, Dan Brown, was awarded a QSI, but was unable to be present for the photo.



**A SECRETARY** in the Telephone Branch of the Command Administration Department's Communication and Electronics Maintenance Division was the recent recipient of an Outstanding Performance Rating and a Quality Step Increase. The presentation was made to Mrs. Betty Meng by Lt. Cmdr. C. E. Richno, NWC Communications Officer.



**TWO EMPLOYEES** in the Chief Engineer's Office of the Engineering Department (l-r.), Elmer Slates and Robert Bonner, were the recent recipients of Quality Step Increases that were presented by Bill Hattabaugh (at right).



**AWARDS** in recognition of outstanding work were presented recently by Ted Lotte (seated in center), head of the Engineering Department's Fleet Engineering Division, to five of the employees in his division. The recipients were Marjory D. McCoy (seated at left) sustained superior performance, and Beverly J. Thompson (seated at right), Outstanding Performance Rating and Quality Step Increase. Other recipients of QSI's were (standing, from left) Peter F. Nicol, Herbert H. McKee and Charles D. Arnold. One other employee in this division, James R. Swanson, who received both an Outstanding Performance Rating and a QSI, was unable to be present for the photo.