

**TEEN DANCE**—This was the scene at last Thursday night's 'suave' for teens on the Lanai of the COM. All teens are welcome to attend another such activity on Thursday night August 7 at 8 p.m. at the same spot. Music will be provided by the "Company."

**PROMOTIONAL OPPORTUNITIES**

(Continued from Page 6)

1300 to 1800, Sunday 0630 to 1230-1330 to 1530.

**Advancement Potential:** May advance to GS-6 if incumbent performs well.

**Telephone Operator, GS-382-2, PD No. 69-85011-2, Code 8544** — Operation of multiple cord type telephone switchboard. Performs operations necessary to complete calls through Autovon, WATTS, commercial toll, etc.

**Minimum Qualification Requirements:** High school graduate or 6 months telephone operator experience.

**Job Relevant Criteria:** May be scheduled for second or third shift.

**Advance Potential:** Can lead to supervisory positions to GS-6.

**Accounts Maintenance Clerk, GS-520-3 or 4, (7 vacancies), Code 176** — Examination, validation, and verification of accounting documents and forms, posting of transactions to accounting records, correction of errors on postings, entries, computations, balances, etc.

**Minimum Qualification Requirements:** High school and 1 year clerical experience for GS-3. For GS-4 the above plus one year specialized experience in accounts maintenance work.

**Advancement Potential:** May have potential to GS-5.

**File application for the above with Sue Prasolowicz, Bldg 34, Rm 28, Ph. 71577. Computer Programmer, GS-334-5 or 7, PD No. 817005 (Code 178** — From general flow charts developed by senior programmers, the incumbent prepares block diagrams and machine instructions necessary to complete computer programs. Participates

**ACE-TV Maintains Softball Lead**

With only two weeks remaining in the China Lake Intramural Softball League, the 8 p.m. game Saturday night between El Ranchito and the leader of the league, ACE TV looms as a mighty important contest in the race for the roses.

If El Ranchito wins the contest, a tie for second place will ensue, which will make the race even tighter for first place honors.

**Last Week's Action**

Ace TV continues to lead the pack in the China Lake Intramural Softball League at the end of last week's play.

There were no games on Monday due to it being "Moon Day" and no games were played Tuesday due to wet ground.

In system studies, develops input — output format.

**Minimum Qualification Requirements:** For GS-5 Bachelor's Degree or 3 years administrative, professional or technical experience or combination of both. For GS-7 the above plus one year applicable experience. FSEE eligibility is required.

**Job Relevant Criteria and or Selective Placement Criteria:** Prefer knowledge of COBOL and or FORTRAN.

**Advancement Potential:** Incumbent may advance to GS-12 with acceptable performance.

**File application for the above with Sue Prasolowicz, Bldg. 34, Rm 28 ext. 71577.**

unds. However, on Wednesday, July 23, in the early game El Ranchito, the "giant killers" of the league, defeated Genge, 4-0. Billy Brown allowed only two Genge baserunners in the contest, a 6th inning walk to Ernie Goselin, and a one-out 7th inning single by Jim Bradberry.

In the late game Ace TV solidified their first place position by beating Ridgerest Shell 5-4 in what might be the most important game of the year. It took Ace nine innings to win it, with Bob Crawford slamming a two-out, two-run homer in the top of the ninth.

In the only game played on Thursday, Magic Cleaners beat VX-5 7-1 behind the pitching of Bobby Kochman. "Coach" gave up only five hits to record the victory.

Bob Hooper hit his first home run of the year, a two-run shot and Dick Braun hit a solo homer for VX-5 in the third inning.

**Social Security Rep. At Community Center Wednesday, Aug. 6**



**PONY LEAGUE ALLSTARS**—Ready to head for the Sectional Playoffs that are being held in Culver City this weekend are the boys that have been picked to represent the IWV in Pony League playoff competition. Left to right in the front row are: Greg Ricketts, Keith Craddock, Larry Layton, Steve Hammon, Mark Wooten, Bill Lalor, Larry Haack, and Sam Chieze. Back row: Coach Joe Kokosenski, James Kirwin, Bill Sizemore, Bill Newmyer, Scott deGesus, Ralph Stalnaker, Dwight Scott, Melvin Oliver, Mike Kennedy and Don Chieze, Mgr. Late word is that the All Stars lost their first game Wednesday night to Upland in the double elimination tournament.

**SHOWBOAT**

**NEW RATING PROCEDURES**

Future ratings for motion pictures shown at the Center Theater will be based on two different types of ratings—the familiar Parents' Magazine ratings, and the new MPA (Motion Picture Association of America) ratings. (The Parents' Magazine ratings will eventually be superseded completely by the MPA ratings.)

The rating designations are:

**MPAA\***

(G)—General audiences.

(M)—Mature audiences, parents should use discretion.

(R)—Restricted, persons under 16 admitted only with parent or legal guardian.

**PARENTS\*\***

(A)—Adult

(Y)—Youths 13-17

(C)—Children 8-12

(M)—Mature for Y & C

**FRIDAY AUGUST 1**

"FRAULEIN DOKTOR" (102 Min.)

7:30 p.m.

(Spy Drama) She was a super-spy, a fabulous actress of many disguises, who's assignment was to kill a British Field Marshall for the German Army. How many men would die for the lady-of-many-faces?—(M) —(Adult)

**SHORT: "Haried and Hurried" (Road-runner) (7 Min.)**

**SATURDAY AUGUST 2**

**MATINEE—**

"RHINO" (92 Min.)

1:00 p.m.

(Adventure) Colorful epic of famed Mexican hero turns Mitchum into a one man Air Force as he aids Pancho Villa in fighting revolutionaries. Romantic rebels, plotting General equal a screenful of action. —(ADULT)

**SHORTS: "Cops and Robbers" (7 Min.)**

"Trader Tom No. 10" (13 Min.)

**EVENING—**

"VILLA RIDES" (125 Min.)

7:30 p.m.

(Adventure) Colorful epic of famed Mexican hero turns Mitchum into a one man Air Force as he aids Pancho Villa in fighting revolutionaries. Romantic rebels, plotting General equal a screenful of action. —(ADULT)

**SUNDAY-MONDAY August 3-4**

"A FINE PAIR" (89 Min.)

7:30 p.m.

(Adventure-Comedy) She'll steal your heart, or your jewels, this cute little Italian swinger will! But she wants to go straight so she enlists the aid of a New York cop—and promptly twists him around her finger! —(M)—(A,MY)

**Short: "Sky Over Holland" (22 Min.)**

**TUESDAY-WEDNESDAY August 5-6**

"THE FIXER" (134 Min.)

7:30 p.m.

(Drama) Adversity and injustice are heaped upon a Jew who ventures into Tzarist Kiev in anti-Semitic times. Despite his plight the inevitable Yiddish humor pops up.—(M)—(A,MY)

**THURSDAY-FRIDAY August 7-8**

"THOSE MAGNIFICENT MEN IN THEIR FLYING MACHINES" (141 Min.)

7:30 p.m.

(Adventure) He'll steal your heart, or your jewels, this cute little Italian swinger will! But she wants to go straight so she enlists the aid of a New York cop—and promptly twists him around her finger! —(M)—(A,MY)

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**Players Ready Casting For 'Yum Yum Tree'**

Casting for the upcoming production of "Under the Yum Yum Tree," is scheduled by the China Lake Players for Wednesday and Thursday from 7:30 to 9:30 p. m. at the Players' Hut, 406 McIntire Street, China Lake.

Gerald F. Baker, who will direct the fun-filled story, urges all those interested to attend the tryouts. New talent is always welcome, and it is not unusual for local theatre groups to cast inexperienced people in lead roles.

Four primary roles and two supporting roles are involved. The lead role is Hogan, a genial bachelor who runs an apartment hotel for women in San Francisco.

The play is tentatively scheduled for presentation in mid-September.

**Youth Center Sponsors Dance, Patio Sale**

High school and college students, as well as boys and girls from Junior High are invited to attend a dance this Saturday night at the Community Center.

The dance, sponsored by the China Lake Youth Center, will feature the music of the "Street Grease" and will last from 8 p.m. until midnight.

Dress may be casual, but shoes or heavy stockings must be worn. General admission is \$1.50, although members bearing identification will be admitted for 75 cents.

**Patio Sale**  
From 7:30 to 10:30 a.m. on Saturday morning, August 2, the China Lake Junior Student Union will hold a Patio Sale at the Youth Center.

Articles for sale will include furniture, dishes, clothing, etc. All funds derived from the sale will be applied to support Junior Student Union activities and projects.

Donations of articles for the sale are welcomed. For more information on where to drop donations, call the Youth Center at 72909.

**'Gents' Back At Chaparral**

Mike Weinberg, manager of the Club Chaparral, announces that "The Gents" will appear at the Club Friday, August 1, from 9 p.m. until 1:30 a.m.

Centerites are invited to an evening of dinner and dancing with music provided by this popular group from Mojave.

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**Summer Youth Employment Hits Record Figures**

A total of 443 students and faculty members were employed at the Naval Weapons Center this summer making it the largest program ever coordinated since the inception of the Summer Employment Program.

At China Lake, 301 undergraduates and high school students were appointed to summer positions. Of this group 59 were Summer Aids. In addition to the undergraduates and high school students, 42 graduate students and 11 faculty members were appointed to summer positions.

At the Corona Laboratories, 70 undergraduates and high school students, of which 54 Summer Aids, 14 graduate students, and 5 faculty members were employed for the summer.

The number of graduate students employed increased from 24 in 1968 to 56 for the summer of 1969.

In the undergraduate and high school category, there was an overall increase of 30 employees. In all, 80 colleges and universities were represented, along with a broad spectrum of major fields of study.

Liberal Arts and Social Science majors were in the majority, while 150 were majoring in the fields of Engineering and Physical Sciences. 160 of the students who graduated from high school this past June or were still in high school and working the Summer Aid Program.

In addition some 170 of the total number of summer appointees were women.

Students who desire to be considered for employment next summer should maintain close contact with the Center or check with the Post Office or Civil Service Commission nearest to their respective colleges.

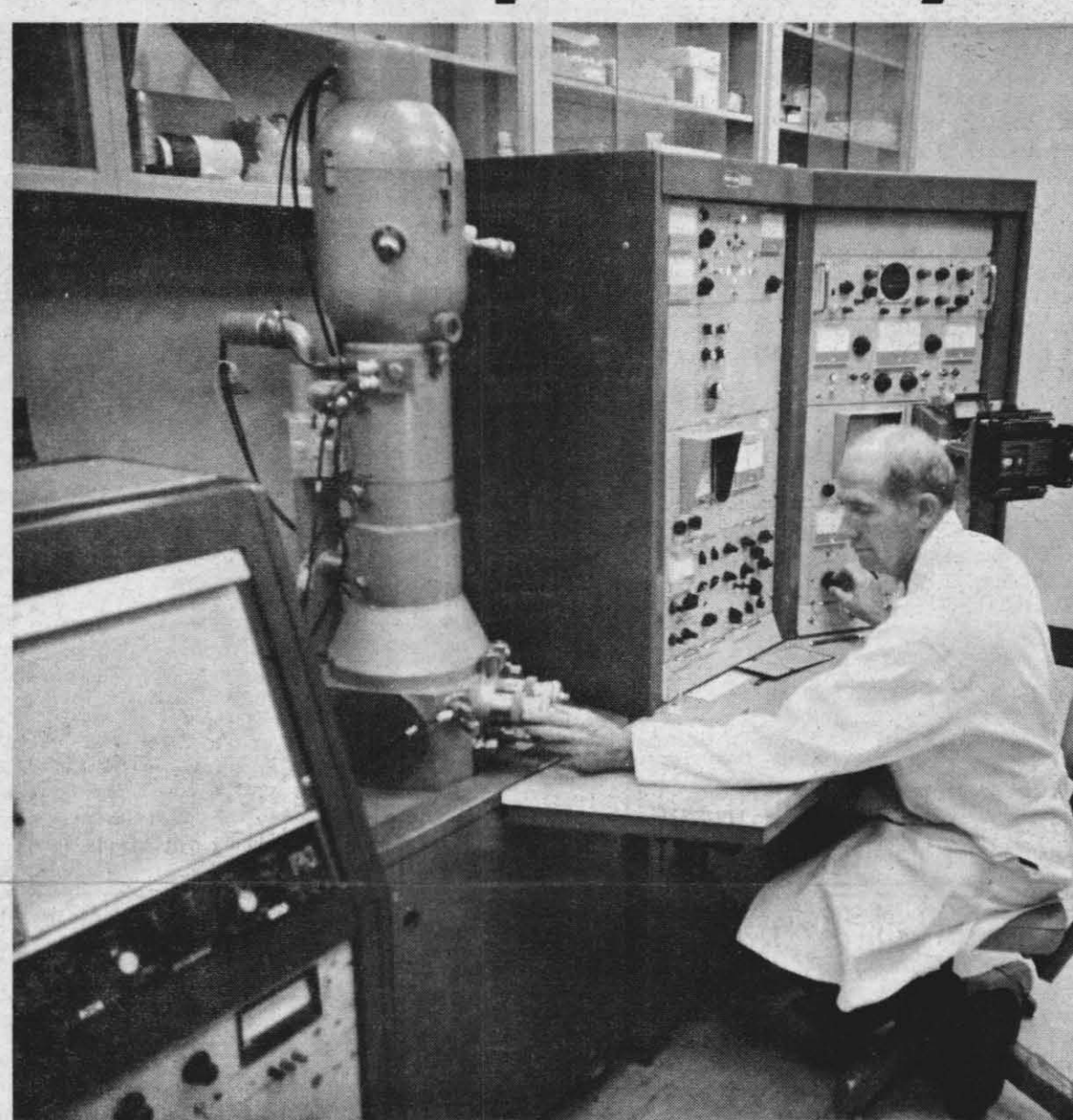
The Summer Employment Examination for the summer (Continued on Page 5)

Vol. XXIII, No. 30 Naval Weapons Center, China Lake, California Fri., Aug. 1, 1969

**TEMPERATURES**

	Max.	Min.
July 25	104	71
July 26	104	72
July 27	95	78
July 28	102	73
July 29	103	76
July 30	105	76
July 31	106	80

**Charles Drew To Participate In Lunar Samples Analysis Project**



**SCANNING ELECTRON MICROSCOPE** — Charles Drew, who has been designated as one of a team of 140 co-investigators on the Lunar Samples Analysis Project, checks out the Scanning Electron Microscope which he will use to conduct investigations here at NWC. According to Drew, samples of the moon's surface brought back by Apollo 11 will arrive at NWC from NASA in September.

**Center To Get 'Moon Rocks' In Near Future**

Some of the lunar samples that were brought back to Earth as a result of the mission of Apollo 11 will soon find their way to the Naval Weapons Center, according to Charles M. Drew, a chemist in the Research Department, who has been designated one of the 140 principal co-investigators on the Lunar Sample Analysis Project.

Drew received confirmation of his appointment to the investigating team on July 23 from Dr. Bartholomew Nagy of the University of Arizona, with whom he is collaborating on this particular aspect of the Lunar sample investigation. According to Drew, the samples will be arriving on the Center sometime in September.

**Electron Microscope**  
Drew is the "operator" of a relatively unique device called a Scanning Electron Microscope. This instrument has a depth of field 500 times that of a light microscope and a resolution 10 times greater.

Its main use to date has been to study surface topography and for the investigation of the electrical potential variations over the surface of specimens. The Center received the equipment nearly three years ago, at which time there

(Continued on Page 3)

**Counseling, Placement Tests Scheduled Soon At IWV College**

According to Paul Riley, Counselor at the Desert Campus of Bakersfield College, students who wish to attend the institution in the fall should make appointments with Riley's office for Counseling.

Counseling will begin August 11 and run through August 28. Riley pointed out that students may also register for courses at the college when they come for their counseling appointments.

Open registration for the Fall Semester is planned for September 2, 4, and 5. Classes will begin on September 8.

**Placement Tests**  
The complete battery of placement examinations for Bakersfield College will be administered at the Desert Campus Tuesday, August 5, and Wednesday, August 6. These tests are used by counselors in advising students regarding their educational objectives and are used for placement in courses

for which requirements have been specifically defined, added Riley.

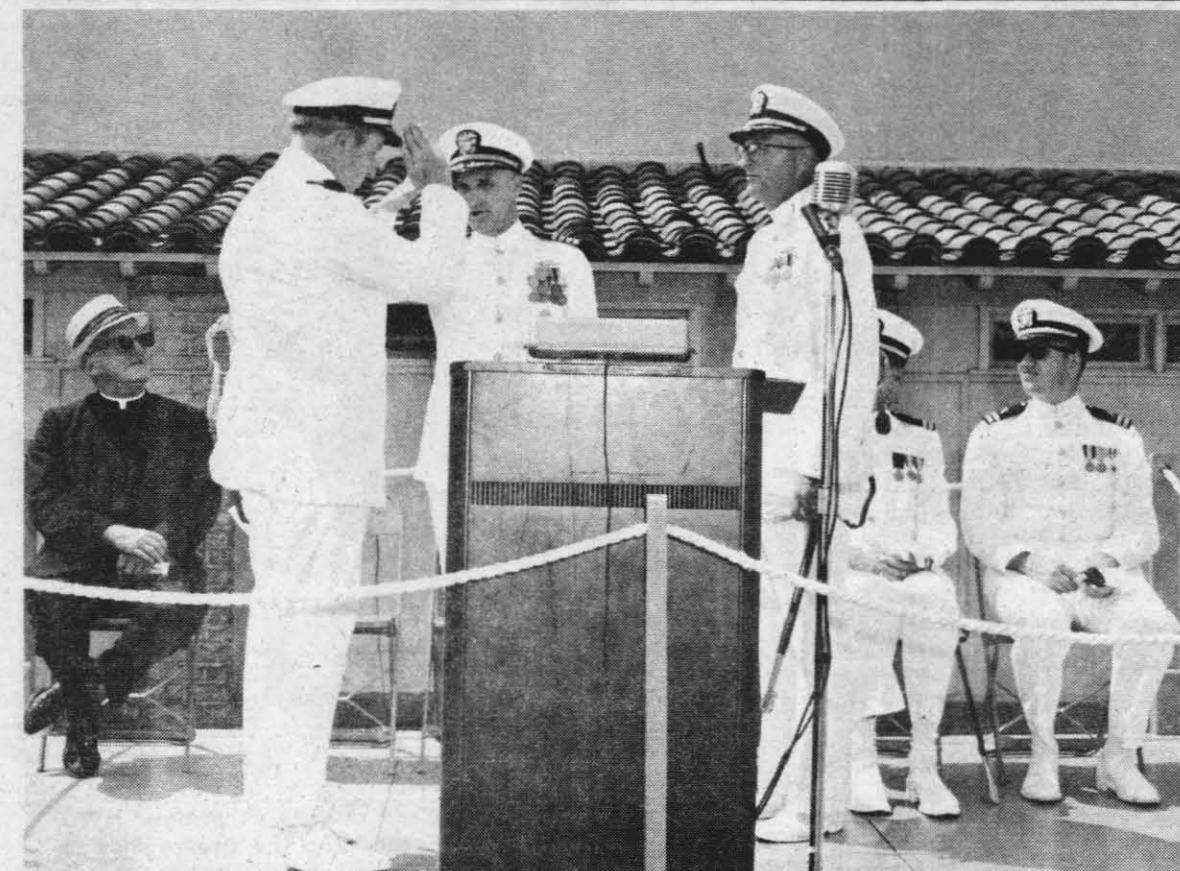
The School and College Ability Test will be administered at 6 p.m. Tuesday, and the English Classification test will be given at 7:30 p.m. Tuesday.

The Reading Placement test will be given at 6 p.m. on Wednesday evening and the Mathematics Placement Test, for those interested in enrolling in calculus and advanced mathematics, will be

(Continued on Page 7)

Due to the upcoming switchover in the telephone facilities at NWC, new emergency numbers have been issued for use by residents of NWC housing areas. The numbers were erroneously reported in the last issue of the Rocketeer.

The new emergency phone numbers are:  
FIRE - 446-3333  
POLICE - 446-2280  
MEDICAL - 446-3333



**CHANGE OF COMMAND**—Cdr. Chas. D. Brown (standing, left) salutes Capt. R. L. Williamson, II, NWC Executive Officer as he relieves Cdr. Roy E. Forbis (standing, right) as Officer In Charge at the Naval Weapon Center's Corona Laboratories. Others in the above photo are Msgr. Thompson, who gave the invocation; Lt. W. McCullough, Corona Technical Officer, and Chaplain Gordon A. Read of NWC, who pronounced the Benediction. (See page 3 for more details on the Corona ceremony).





**MINOR LEAGUE CHAMPS**—The Braves won the Minor League Little League playoffs at China Lake in a hotly contested game that saw the Cards, managed by Cdr. Wack, go down to defeat by the score of 5-4. The victors, shown above are (front row l-r) Jeff Dierolf; Robert Rosas; Tom

Blanche; Robert McCrimmon; Mike Mullins; Scott Netzer; and Mike Whitman. (Back row) Bill Quinn; Ken Staples; Mitch Strommen; Ricky Rusciorelli; John Staples; Kip Buck; and Mike Fowler. The team was smartly managed by Keith Becker and coached by Bob Mullins (standing l-r in rear).

### Lake Little Leaguers Advance To Culver City Sectional Playoffs

Behind the superb pitching of Steve Paine and Kevin Smith, The China Lake Little League All Stars became the only team in the history of District 51 to win back to back pennants and advance to the Sectional Tournament at West Los Angeles.

On Friday, July 25, the locals defeated a Parkview team, 2-0, led by the hitting of Jack Ferguson, China Lake catcher, who belted one over the left field fence in the second inning. Another run put them in front by 2 in the third frame and that was the story for that evening.

The final game of the District playoffs saw China Lake All Stars in a contest that they also won by a close score. In winning it 3-2, the locals became the first China Lake Little League team ever to advance as far as the Sub-sectional playoffs.

**Win Sub-sectionals**  
Last Monday night, the local Aces went to the Sub-sectional playoffs in Culver City, and despite a valiant effort by West Los Angeles, China Lake emerged triumphant by the score of 4-0, behind the one-hit pitching of Steve Paine.

The game was put on ice in the third inning, when Jim Kincheloe, China Lake's leading hitter to date, drilled a single over the middle. Then Big Jack Ferguson came up to the plate and clouted the very first pitch to him over the right field fence.

This weekend, the China Lake Little League All Stars will enter the Sectional playoffs that will be held in Culver City.

At this writing, they are scheduled to play Thursday night, July 31, against the winner of a game that matches Glendale and Tujunga. If they win, they will play again tomorrow night, Aug. 2, for the right to enter the Divisional tournament in San Diego on the weekend of August 7, 8, and 9.

### Promotional Opportunities Listed

(Continued from Page 2)

applicant with a general knowledge of one or more aspects of the supply field. One year of specialized experience in one or in any combination of technical supply functions; or experience in related supply activities which provided the applicant with the required knowledge and abilities to perform at this level. College education may be substituted. Appropriate experience is defined in CSC Qualifications Handbook X-118, GS-2001 Series.

**Job Relevant Elements:** In addition to meeting the above minimum requirements, applicants will be ranked in accordance with the following supervisory criteria:

- a. Ability to motivate, train and work effectively with subordinates.
- b. Ability to accomplish work within set limits of cost and time.
- c. Ability to independently carry out assignments effectively.
- d. Ability to communicate effectively both orally and in writing.
- e. Ability to understand and further management goals.
- f. Ability to improve or design new work methods and procedures.

Appropriate supervisory training will be provided to the selected candidate.

**Supply Clerk (Typing), GS-2005-04, PD No. 725025, Code 2582** — This position is located in the Control Branch of the Aviation Supply Division, Supply Department. The incumbent verifies all requisitions for correctness; verifies stock numbers and prices on paperwork submitted to him; audits all transaction cards; prepares appropriate paperwork for supply program; performs stock transfers; works the rejection listing; checks the price variance list; the processed transaction list; the item change report and Inventory General Report; screens all Price Management Data Sections issued by ASD, etc.

**Minimum Qualification Requirements:** One year of general experience in clerical or office work of any kind which has demonstrated the ability to perform satisfactorily at the grade level of the position. One year of specialized experience in supply work or closely related activities. (a) which has required the applicant to acquire and apply knowledge of the rules, regulations, procedures, and program requirements of one or more areas of a supply system; and (b) which has demonstrated the applicant's ability to perform at the level of the position to be filled. Appropriate experience is defined in CSC Qualifications Handbook X-118, GS-2005 Series. College education may be substituted.

**Clerk-Typist, GS-322-03, PD No. 725008, Code 2522** — This position is located in the Purchase Branch, Control Division, Supply Department. It is established to provide secretarial assistance to the Purchase Branch which consists of Branch Head and three purchase agents. The duties include: Typing, distribution, preparation of reports, filing, time cards, telephone and receptionist and messenger.

**Minimum Qualification Requirements:** Six months of appropriate clerical experience. **Advanced Potential:** GS-4 level **Clerk, GS-301-02 or 03, PD No. 17386, Code 8412** — Processing incoming official visitors. Processing consists of contacting the people in various departments informing departments or persons of visits, maintaining cards on all official visitors by name, company or activity represented, clearance, basis of clearance, length of visit, contact and purpose. Answer calls on all incoming official visitors, maintains action on visit requests from companies which have not been processed properly; also maintains card file on all visitors requiring clearance to the Center.

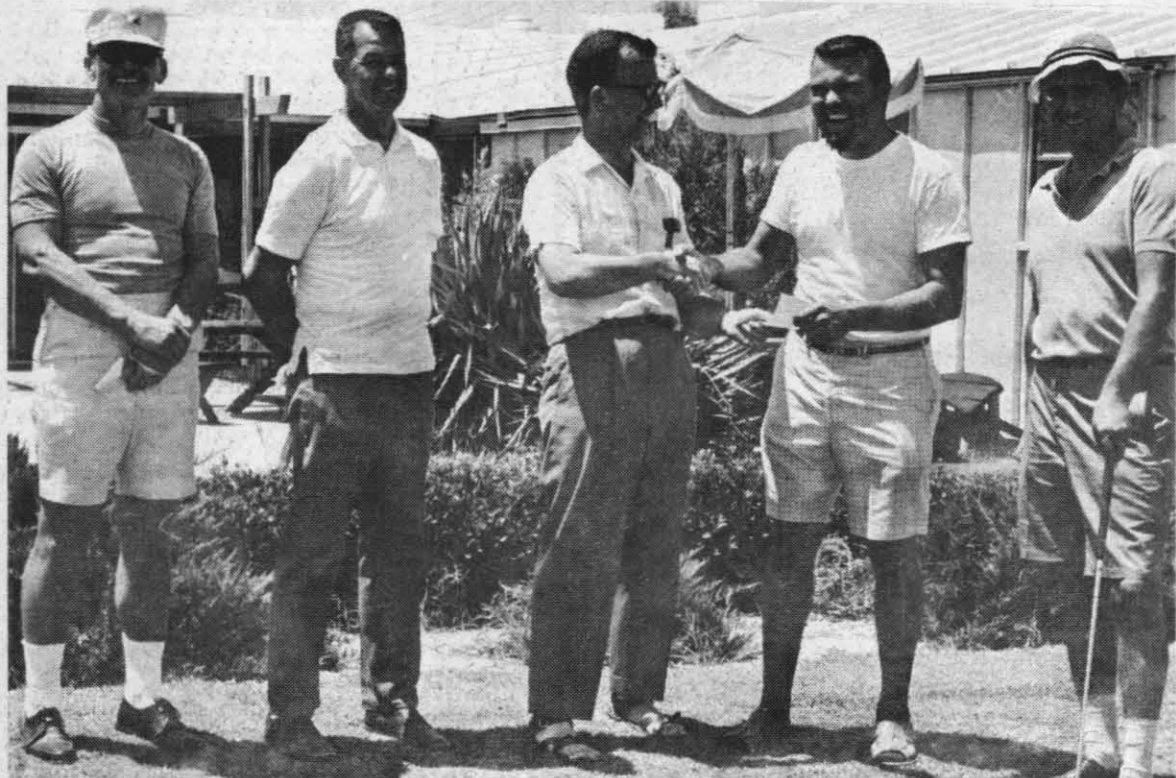
**Advancement Potential:** GS-4 level **Minimum Qualification Standards:** Six months clerical experience for the GS-3 level. **File applications for the above with Carole Cagle, Bldg. 34, Rm. 26, X71648, Supervisory General Engineer, GS-801-13, PD No. 345097, Code 4533** — This position is Head of the Test Management and Product Evaluation Branch and manages weapon qualification programs to ensure that guided, free-fall, and ballistic ordnance meets fleet specifications. **Minimum Qualifications:** Basic requirement is the Bachelor's degree in one of the engineering disciplines or physics or the equivalent plus three years experience in the mechanics of ordnance design, development, test or evaluation. **Job Relevant Criteria:** Project management experience necessary and will establish highest qualified applicants. Best qualified applicants will have in addition, experience in at least half of the following: a) dynamic vibration testing, b) industrial X-ray inspection, c) thermal and environmental testing, d) non-destructive testing, e) test design and management, f) guided free-fall and ballistic ordnance safety.

**Advancement potential:** position has potential to go to the GS-14 level. **File application for above with Jan Bixler, Personnel Bldg. Rm. 24, Phone 72-723.** **Computer Aid, GS-335-4, PD No. 830664, Code 3037** — Incumbent receives, logs in, and maintains records for jobs submitted for processing on the UNIVAC 1108 ADP System. Has daily contact with Center personnel utilizing the computing facility. Maintains current, complete records reflecting the status of over 7,000 digital magnetic tapes as to reserve, pool, age, cleaning cycle, and security classification. **Minimum Qualification Requirements:** Two years general office clerical experience. **Job Relevant Criteria:** Knowledge or familiarity of workflow as related to ADP operations. **Advancement Potential:** This position has advancement potential to the GS-5 level. **File above applications with Pat Gaunt, Bldg. 34, Rm. 24, Phone 71514.** **Chaplain's Aid, GS-301-5, PD No. 6900007, Code 051** — Set up Chapel for various functions, see that Chapel is maintained properly, handle Chapel funds, keep filing system, order supplies and equipment, perform other duties as required. **Minimum Qualification Requirements:** One year general experience, plus two years specialized experience in clerical or administrative work. **Job Relevant Criteria and/or Selective Placement Criteria:** Must meet people well, needs considerable physical strength. Hours of duty: Wednesday thru Friday 1300 to 1700-1800 to 2200, Saturday 0900 to 1200.

(Continued on Page 8)



**HOST 11ND GOLF TOURNAMENT**—Ann Washburn, Miss Ridgecrest-China Lake, was on hand to welcome golfers to the Center from all over the Eleventh Naval District who came here to participate in the annual 11th Naval District Golf Tournament. Also shown above are (l-r) Bill Sanders, (DATSC, San Diego Naval Station), Barney Tully (HC-5, NAS Imperial Beach), Jim Young, 1966 11ND Champion (USS Dixie), and Ken Schreiber (U.S. Naval Amphibious SBBase, Coronado). As of this writing, Jim Young appears to have won the top honors for 1969 here at China Lake.



**CODE 45 CHAMPS**—Dr. Bill Leonard, Head, Propulsion Development Department is shown congratulating Ron Vetter who won the annual Code 45 Golf Tournament recently.

Others shown above who figured in the top honors are (l-r) Hal Platzek, Tom Short and Russ Peterson. The event was held at the NWC Golf Club.



### Registration

Registration for participation in tackle football in the Indian Wells Valley will be held August 2 for boys ages 8 through 14.

The signups will take place at Kelly Field (China Lake) and at James Monroe Jr. High (Ridgecrest) between the hours of 9 and 11 a.m. A charge of one dollar will be charged at time of registration.

Anyone interested in becoming a coach or official for the tackle football league should call J. Downard at ext. 72610.

### Center To Get Lunar Samples For Analysis

(Continued from Page 1) were only five others in the Country.

In an interview, Drew stated that he knew as early as two years ago that he would eventually be getting some Lunar samples when they were finally brought to earth. Drew stated that when he gets the Lunar samples, he will use the microscope to look for evidence of organized biological material (living organisms) within the core and on the surface of the specimens.

When asked whether he had any preconceived ideas as to what he might find when he finally started to analyze the samples, Drew stated: "I feel we will be looking at material that one would normally find in the common rock. However, I am reserving a final opinion until I actually get to see them."

Drew has been doing some background work in anticipation of receiving Lunar samples for study.

Recently, he has been analyzing rocks that are in excess of 3.4 billion years old. He has also been doing some work with cretaceous rock from Montana and Alaska which is only 65 million years old.

Drew has worked in a wide variety of research problems in the Chemistry Division. Most recently, he has used the microscope to assist with weather modification studies with respect to the nucleation of ice crystals by silver iodide crystals.

Drew was born in McKinney, Texas in 1921 and came to China Lake in April, 1947, when he joined the Research Department.

Drew received his BS in Chemistry in 1943 from the North Texas State University in Denton, Texas. He spent four years with the Columbia Southern Corporation prior to coming to NWC.

He is a member of the New York Academy of Science, RESA, the Soaring Society of America and was formerly a member of ACS. He is also a former president (1965-66) of the China Lake Soaring Club, and annually competes in the National Championships.

He has published 30 papers and made over 40 presentations to scientific groups.

### Astronomical Society Shows French Film

A French film entitled "The Big Radiotelescope at Nancy" will be presented at the August 4 meeting of the China Lake Astronomical Society.

The meeting will be held at 7:30 p.m. at the local chapter's clubhouse (401 McIntire St.).

In addition to the showing of the film, a discussion will be conducted on the relative results of the recent flyby by Mariners 6 and 7. All interested parties are welcome to attend the meeting.



**ANNUAL TREK**—Members of the Oregon Aerospace Education Workshop pause to be photographed outside the entrance to Michelson Laboratory during their recent

tour of the Center. This is the sixteenth year that members of the Workshop have visited the area as part of a program designed to increase their knowledge in scientific fields.

### UCLA Awards Doctorate To F.R. Phillips

At its June commencement, the University of California at Los Angeles awarded a Ph. D. in Engineering to Fletcher Root Phillips, Jr. of Code 40-55.

Dr. Phillips' dissertation was entitled "The Identification of Nonlinear Dynamical Systems from Input-Output Data." It considered the problem of finding a mathematical model of a system from the knowledge of the data received by the system and the response of the system to that data.

An example of this problem is the estimation of aerodyna-



**DR. F.R. Phillips, Jr.**

mic coefficients of a missile from a knowledge of the command given to the control surfaces and the missile's air-frame response to that command.

Phillips did his undergraduate work at the University of Southern California, obtaining a Bachelor of Science in Mechanical Engineering in June 1958.

His employment at China Lake began with a job as an Engineering Aid during the summer of 1956. He returned in July 1958 as a Junior Professional.

He earned a Master of Science degree in Engineering in 1964 through the graduate program conducted by UCLA at China Lake at that time.

His doctorate studies at UCLA were begun in the fall of 1964 under a NOTS Fellowship.

Phillips and his wife Harriet and their five children Michelle, Thomas, Angela, Steven, and Kevin reside at 106 Coral Sea Circle.

### Command Change At NWC Corona Laboratories

In ceremonies held Tuesday, July 29, at the Naval Weapons Center Corona Laboratories, Cdr. Chas. D. Brown, USN, relieved Cdr. Roy E. Forbis, USN, as Officer In Charge.

The Change of Command ceremony was held on the lawn behind the library that is located in Building 511 in Corona.

The COMCRUDESAP band, based at the Long Beach Naval Station, provided the ceremonial music for the impressive meeting.

Following the invocation, which was given by Monsignor Thompson of St. Edward's Catholic Church in Corona, Capt. R. L. Williamson, II, NWC Executive Officer addressed the gathering.

Capt. Williamson thanked Cdr. Forbis for his many contributions to the administration of the Laboratory's programs and activities, especially during the trying times that have ensued over the past several months. "Cdr. Forbis," he stated, "... has provided the kind of leadership, support and assistance vital in accomplishing the changes necessary to bring together two dynamic and successful organizations with the least amount of disruption to on-going projects and personnel."

Capt. Williamson then introduced Cdr. Brown and added that "Cdr. Brown is uniquely qualified to serve at the Naval Weapons Center since he holds Master of Science Degrees in Aeronautical and Astronautical Engineering and in Instrumentation Engineering. Additionally, he holds a Bachelor of Science Degree in Mechanical Engineering.

Cdr. Forbis' next assignment is as Weapons Research and Development Officer on the staff of the Commander-in-Chief of the Continental Air Defense Command in Colorado Springs, Colorado. He has served at the Naval Weapons Center as both Executive Officer and Officer-in-Charge of the Corona Laboratories since October 24, 1968.

Cdr. Brown comes to the Center from an assignment as Weapons Officer aboard the USS INTREPID. He has also seen service on the USS VALLEY FORGE and aboard the USS FORRESTAL. In addition, he has held various aviation assignments including Maintenance Officer, Airframes Officer and Operations Officer.

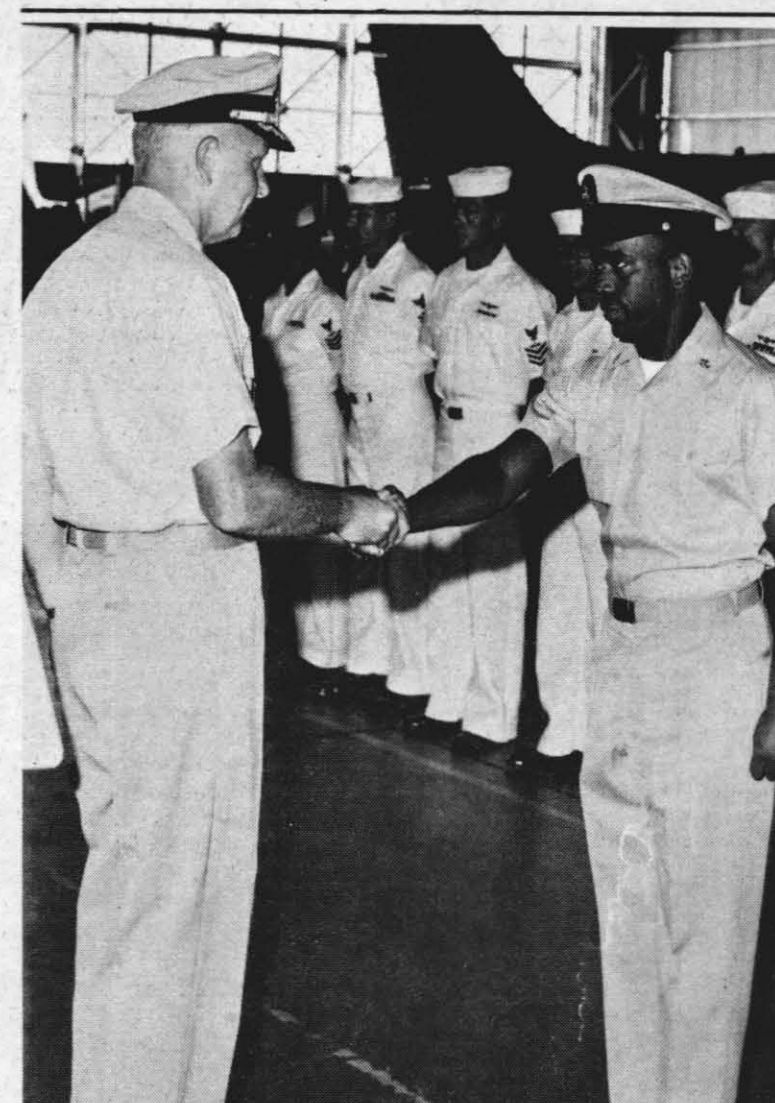
As Officer In Charge of the Corona Laboratories, he will be responsible for the highly sophisticated research work that is being done at that facility in connection with Missile Systems, Fuzes, and other programs that have their headquarters at China Lake.

Born in Hillsdale, Oklahoma, Cdr. Brown entered the Navy in 1946 as a Midshipman and was commissioned an Ensign in June, 1950.

Mrs. Brown is the former Vera Ratcliffe of Revelstoke, BC, Canada. The Browns have three sons—Gary, Randall, and Kevin—and a daughter, Candace. They have not yet established a local address.

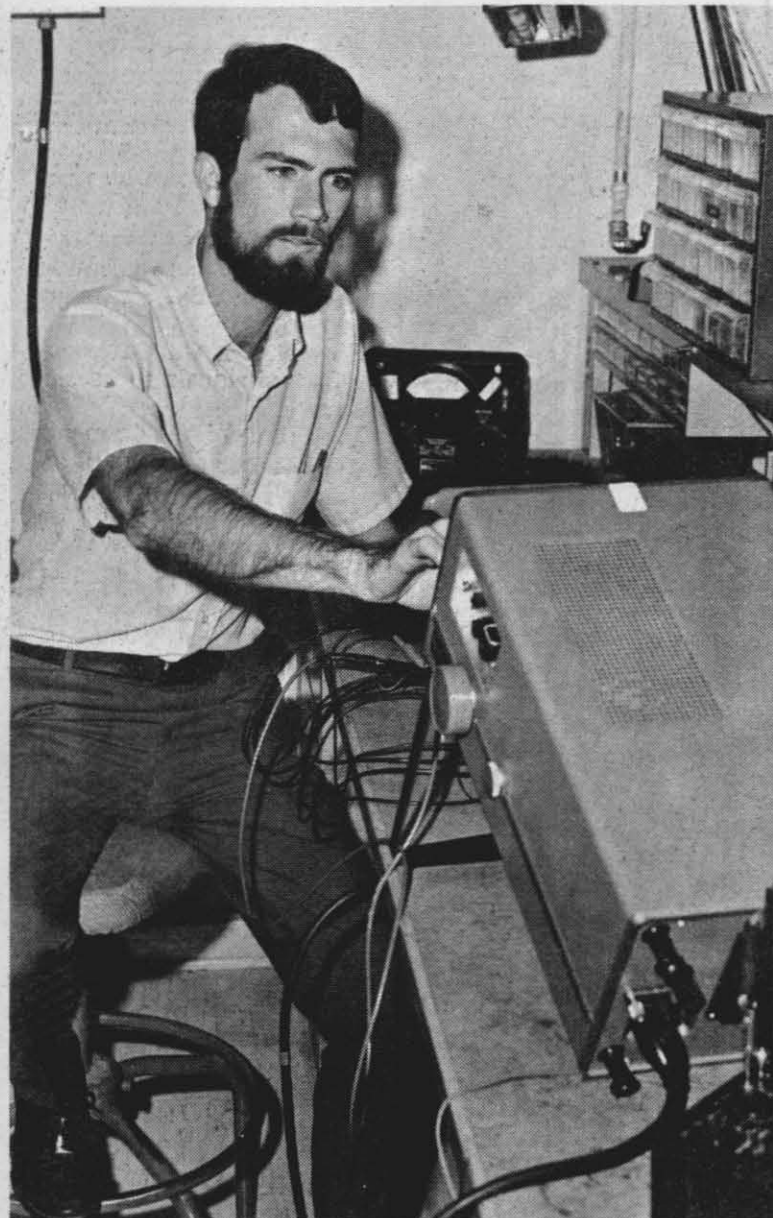


**AWARDS PRESENTATION**—Captain C. R. Lee, left, Director of Supply, is shown congratulating William D. Pettey, center, upon Pettey's being awarded a \$100 Sustained Superior Performance Award in Capt. Lee's office July 18. Gordon Peacock, Head, Disposal Branch, looks on.

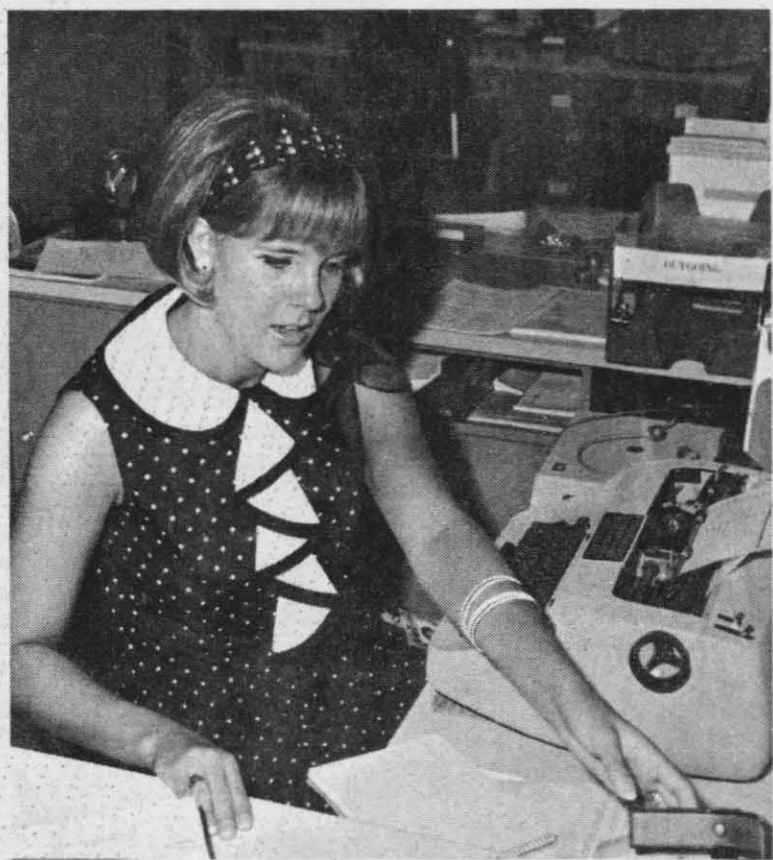


**EARNs PROMOTION**—Capt. L. A. Dewing (l), Commanding Officer of NAF, congratulates PRC Buford Foreman (r) upon his advancement to Chief Petty Officer, during recent morning quarters at NAF. Chief Foreman has been at China Lake since February of 1966. He is a parachute rigger at the Naval Air Facility. When he was a "white hat", Chief Foreman was named "Bluejacket of the Year" for 1967.

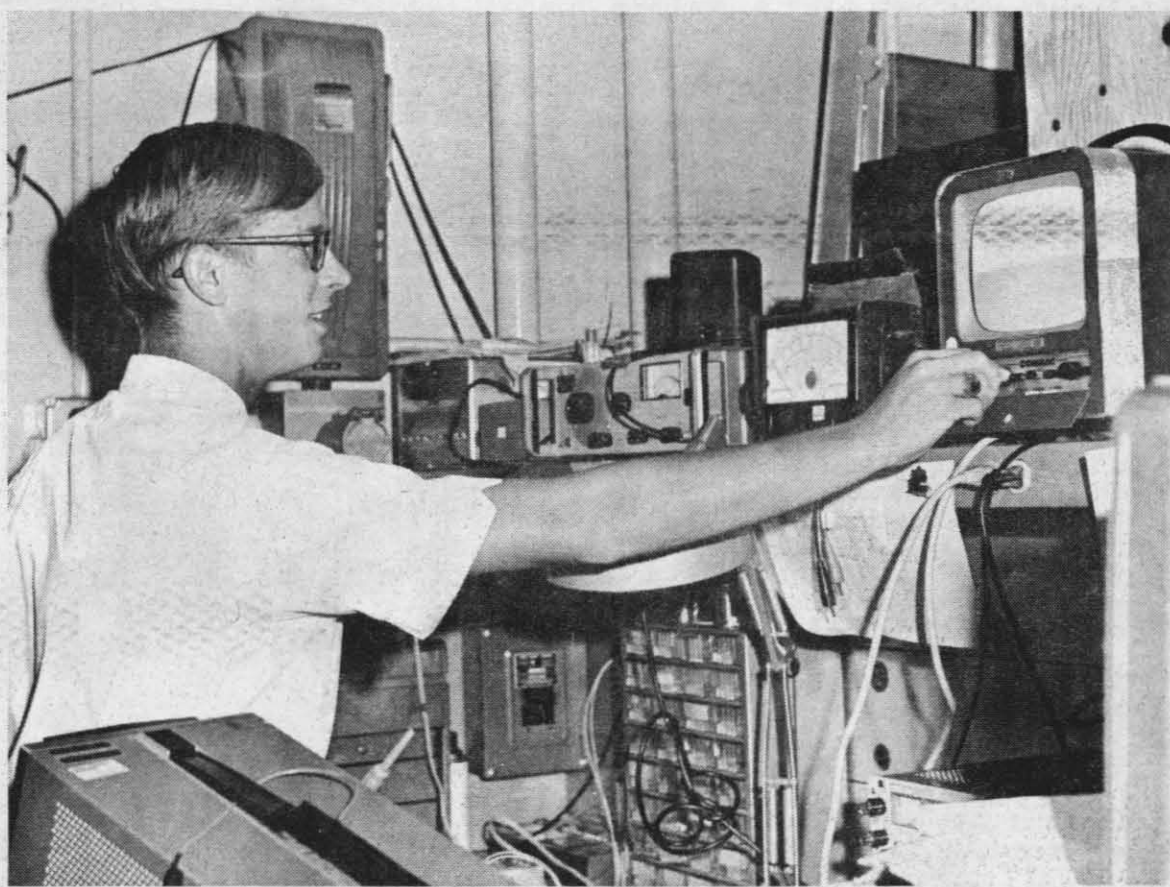
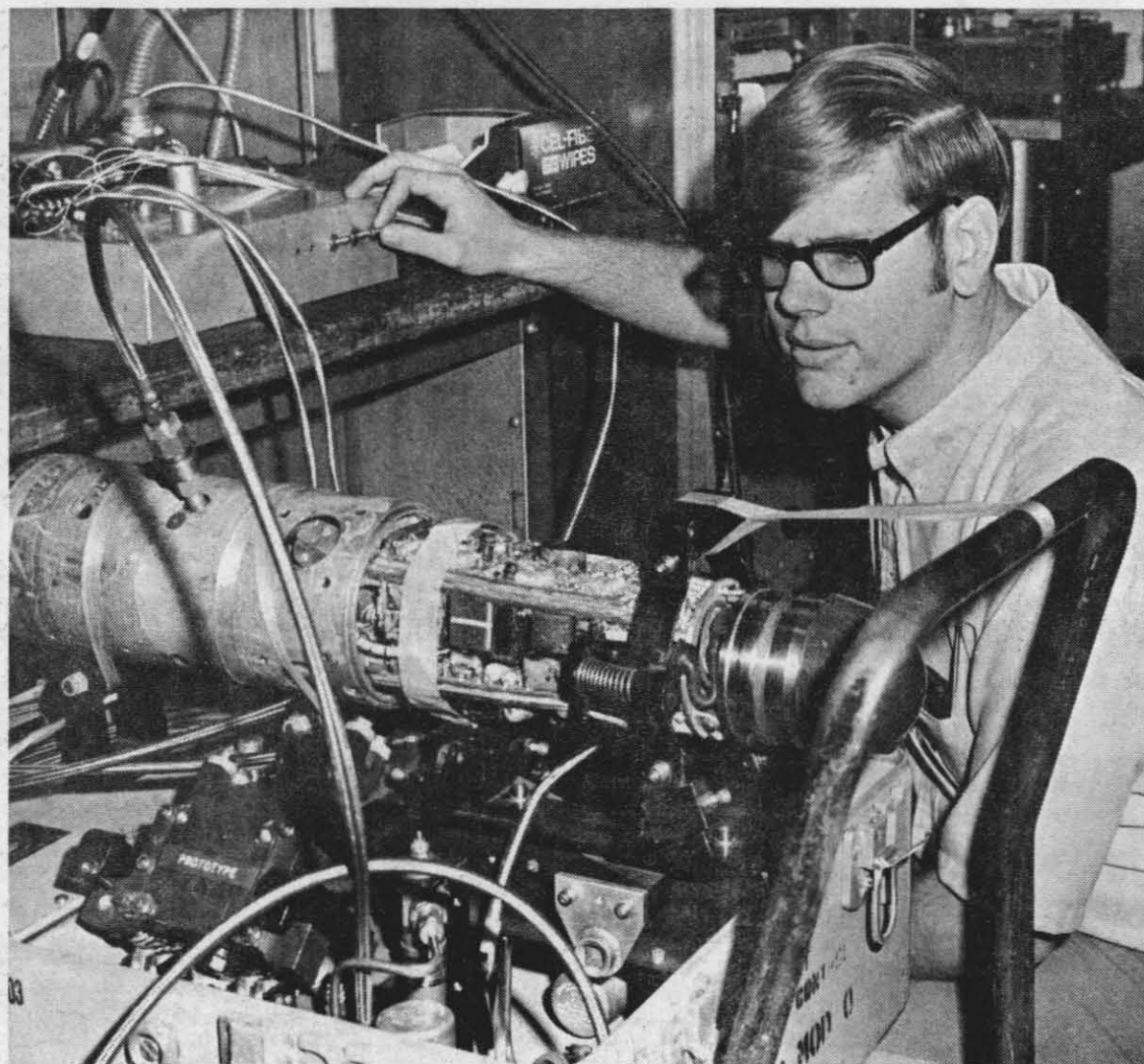
# NWC Youth Summer Employment Program Exceeds Previous Record



**HE'S FROM MISSOURI**—Harvey Pottinger, a graduate student from the University of Missouri, Rolla, is spending the summer working on secure communications systems using pseudo random noise sequences in the Armament Control Systems Branch of the Aviation Ordnance Department.

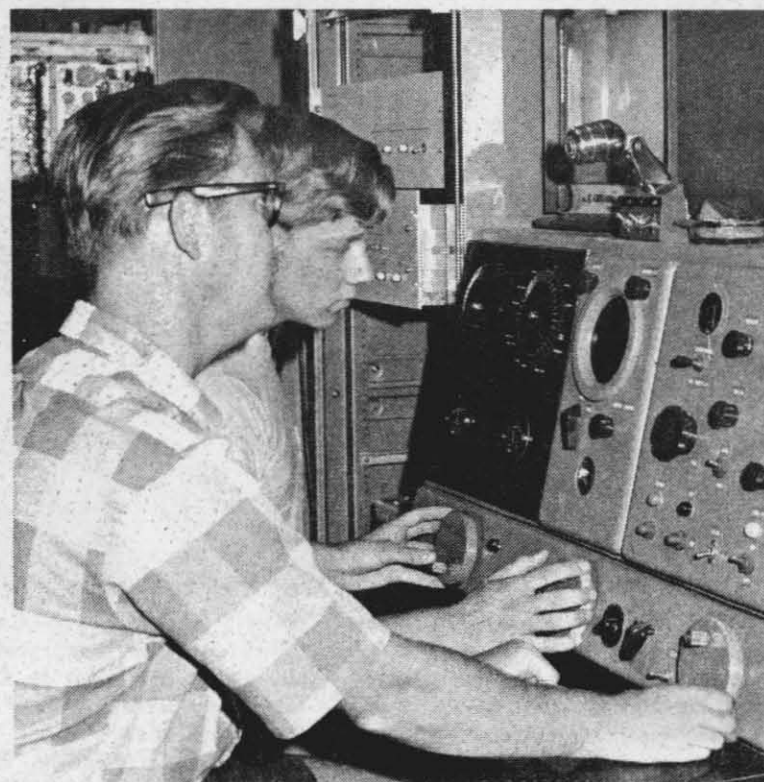


**CAL POLY REPRESENTED**—Susan Parry, above, a recent BHS graduate who plans to attend Cal Poly at San Luis Obispo in the Fall, performs duties in the department office of AOD, while, right, Steve Fowler, an Electronics major at Cal Poly, tests a system simulator used to check out the firing sequence of the Sidewinder missile.

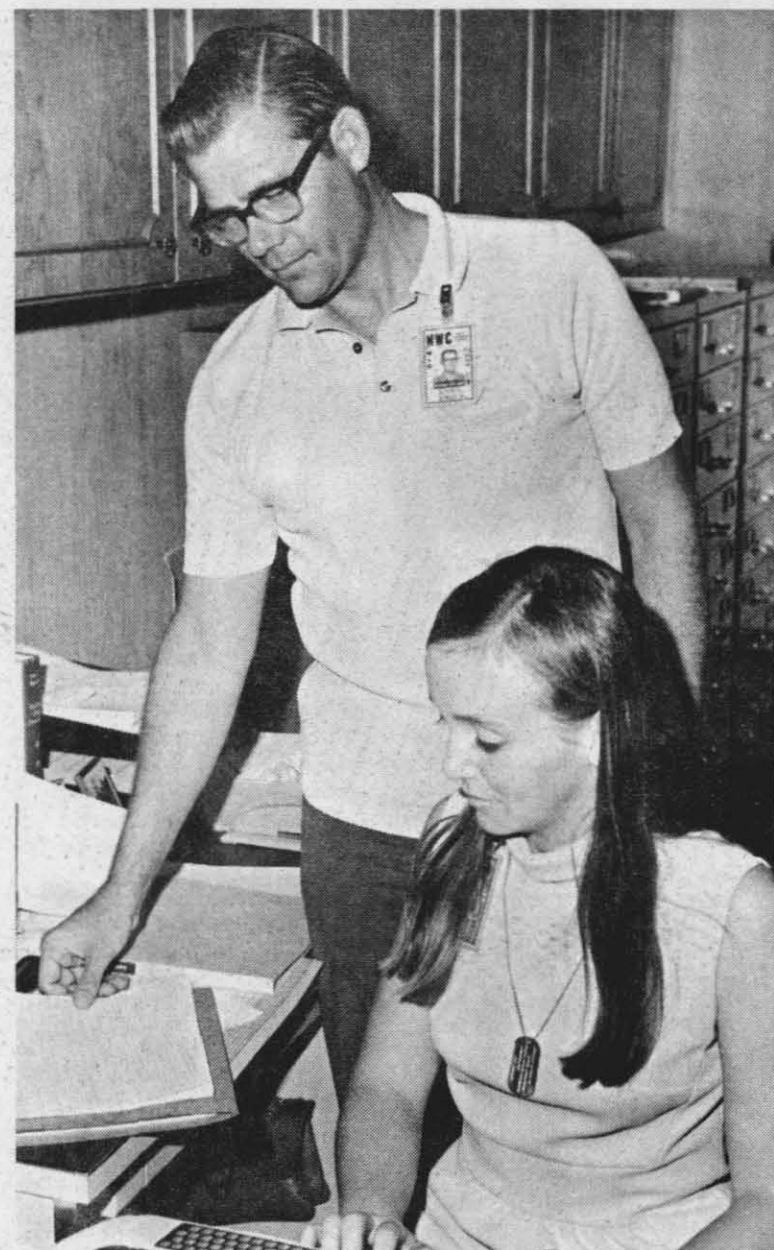


**ABOVE LEFT**—John Licwinko, a graduate student from the University of California at Davis, works on TV camera circuits for use in angular rate bombing systems. **ABOVE RIGHT**—Lana Kline, a senior at Pasadena College, works to update the tape record file in Code 30 for the Univac 1108 computer. **BELOW LEFT**—Ron Michaels (l) and Bob Miller are shown operating the Nike radar used in tracking aircraft. Ron is from Cal Poly San Luis Obispo, and Bob will be returning to Rensselaer Polytechnic in New York.

Photography by Ph2 Delmar E. Hart



**MATH MAJOR**—Ann Allan, a Junior at UCLA where she is majoring in Mathematics, Physical Education and Psychology, is shown above installing components on a complex filter board for a doppler radar. Ann is working in the Systems Project Engineering Branch of AOD.



**GGONNA GET MARRIED**—Peggy Ford, who is shown above working with Wayne Claunch, Data Acquisition Section Head, works in the Infra-red Countermeasures Branch of Code 30. Peggy plans to move to North Carolina in September to be married and will also attend college if arrangements can be made for her to attend.



**DISCUSSION**—Glen Tramel, (l) Director of the Summer Youth Program at Corona talks over the relative merits of the program with Judy Kelley and Gary Buchanan who are taking advantage of their leave from Corona and Norco high schools respectively to "earn while they learn."

## 443 Students, Faculty Enhance Summer Program

(Continued from Page 1)  
of 1970 should be announced around the middle of October, and it is not known at this time whether it will be necessary for individuals to re-compete or not.

Even though requirements for next summer may still allow the test score for this year to be used, it would be to the advantage of all students to retake the test with the idea of bettering their score.

The first test is usually given on the first Saturday in December of each year. The test is given four (4) times each year — in December, January, February and March.

It is to the students advantage to apply for an early test since this would allow time to apply for a later test if a low or less than passing score is obtained on the early test. Additional news regarding requirements for next summer will be published in the Rocketeer when the information becomes available.

A listing of the Center's summer employees follows with school affiliation indicated for faculty and graduate students:

**FACULTY**  
William Bliss, Code 35, Montana State University; Robert C. Burton, Code 35, Brigham Young University; Edwin K. Parks, Code 35, University of Arizona; Paul R. Sims, Code 40, University of Missouri, Rolla; Gilbert C. Barton, Code 45, Weber State College; Richard W. Crain Sr., Code 45, University of Washington; Karl Muhlbauer, Code 45, University of Missouri, Rolla; Russell E. Peterson, Code 45, University of Arizona; Michael R. McGie, Code 60, Chico State College; Lyle L. Knowles, Jr., Code 65, University of Southern Calif.; William J. Phaklides, Code 70, Calif. Polytech., San Luis Obispo; Max Epps, Corona, Calif. Polytech., Pomona; Jerome Johnson, Corona, University of Redlands; Robert Parsons, Corona, Bakersfield College; Glen Tramel, Corona, Corona Jr. High School; Eldon Vaughn, Corona, Calif. Polytech., Pomona.

**GRADUATES**  
David K. Andes, Code 12, University of Calif., Riverside; David Marf, Code 17, Brown University; Karen Bjorklund, Code 17, Stanford University; Fred M. Ashbrook, Code 30, Calif. State, Fullerton; Michael L. Atkinson, Code 30, Michigan State University; Robert M. Beal, Code 30, Brigham Young University; David L. Gifford, Code 30, Pacific Union College; Hugh F. Spence, Code 30, University of Missouri, Rolla; John A. Ashcraft, Code 35, University of Arizona; George A. Brugnoni, Code 35, University of Houston; Richard F. Chew, Code 35, University of Calif., Los Angeles; David deRoulet, Code 35, Cornell University; Robert George, Code 35, Brigham Young University; Joe Jurick, Code 35, Oregon State University; John S. Licwinko, Code 35, University of Calif., Davis; Hardy Pottinger, Code 35, University of Missouri, Rolla; Fred J. Tombar, Code 35, San Jose State; Robert C. Carlos, Code 40, Spring Hill College, Alabama; Gregory Erdmann, Code 40, University of Nebraska; John L. Freeruff, Code 40, University of Chicago; Joe R. Haberman, Code 40, University of Nebraska; Linda J. Hughes, Code 40, University of Calif., Santa Barbara; Sharon L. Kollasch, Code 40, University of Calif., Santa Barbara; Gregory C. Mooradian, Code 40, Fresno State College; Richard A. Pope, Code 40, University of Arizona. George L. Raetz, Code 40, University of Calif., Los Angeles; Rex N. Randolph, Code 40, Pasadena City College; Martha Barrall, Code 45, University of Calif., Santa Barbara; Robert L. Fagaly, Code 45, San Jose State; Joseph Hendrickson, Code 45, University of Calif., Riverside; Melvin G. Hoshiko, Code 45, University of Calif., Los Angeles; Stephen W. Murphy, Code 45, Sacramento State College; Robert J. Swan, Code 45, University of Wisconsin; Ralph Periman, Code 45, University of Michigan; Robert P. Scott, Code 55, University of Oklahoma; Robert D. Smith, Code 55, Case Western Reserve University; Susan C. Clark, Code 60, Tulane University; Roy E.

(Continued on Page 7)