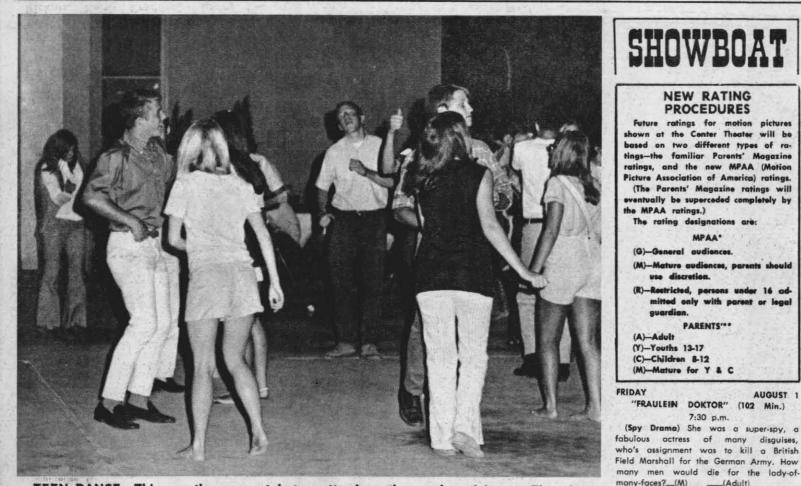
Page Eight

### ROCKETEER



TEEN DANCE-This was the scene at last Thursday night's suare' for Teens on the Lanai of the COM. All teens are welcome to

### PROMOTIONAL **OPPORTUNITIES**

(Continued from Page 6) 1300 to 1800. Sunday 0630 to 1230-1330 to 1530

Advancement Potential: May advance 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 necessary to complete calls through Autovon, WATTS, commercial toll,

Minimum Qualification Requirements: High school graduate or 6 months telephon 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 mainance work.

ntial: May have potential to GS-5.

asolowicz, Bldg 34, Rm 28, Ph. 71577. Computer Programer, GS-334-5 or 7, PD No. 817005( Code 178 - From general flow charts developed by senior programmers, incumbent prepares block diagrams machine instructions necessary to complete computer programs. Participates

**ACE-TV Maintains Softball Lead** With only two weeks remain- unds. However, on Wednesing 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 ed only two Genge baseruna 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

### 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 groin system studies, develops input -

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 years applicable ex- a solo homer for VX-5 in the perience 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 per

In the late game Ace TV solidified their first place position by beating Ridgecrest 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

day, July 23, in the early game

El Ranchito, the "giant kill-

ers" of the league, defeated

Genge, 4-0. Billy Brown allow-

ners in the contest, a 6th inn-

ing walk to Ernie Goselin, and

a one-out 7th inning single by

Jim Bradberry.

attend another such activity on Thursday

night August 7 at 8 p.m. at the same spot.

Music will be provided by the "Company."

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 tworun shot and Dick Braun hit third inning.

Social Security Rep. **At Community Center** 



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 Rickets, 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.

### Friday, August 1, 1969

### **Players Ready Casting For 'Yum Yum Tree'** Casting for the upcoming

SHOWBOAT

NEW RATING

PROCEDURES

ratings for motion

and the new MPAA (Me

ture Association of America) rating

(The Parents' Magazine ratings be superceded complete

The rating designations are:

MPAA\*

ral audience

(R)-Restricted, persons under 16

mitted only with parent or

PARENTS"

7:30 p.m.

SHORT: "Haried and Hurried" (Road-

-MATINEE-

"RHINO" (92 Min.)

Robert Culp

1:00 p.m.

SHORTS: "Cops and Robbers" (7 Min.

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

"VILLA RIDES" (125 Min.)

Yul Brynner, Robert Mitchum, Charles

Bronson

7:30 p.m.

Mexican hero turns Mitchum into a one

man Air Force as he aids Pancho Villa

in fighting revolutionaries. Romantic

rebels, plotting General equal a screen-

"A FINE PAIR" (89 Min.)

Rock Hudson, Claudia Cardinale

(ADVENTURE-COMEDY) She'll steal

heart, or your jewels, this cute little

talian swinger will! But she wants to go

straight so she enlists the aid of a Nev

York cop-and promptly twists him around

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

"THE FIXER" (134 Min.)

Alan Bates, Dirk Bogarde

7:30 p. m.

(Drama) Adversity and injustice are heaped

upon a Jew who ventures into Tsarist Kiev

in anti-Sematic times. Despite his plight the

inevitable Yiddish humor pops up.-(M)

HOSE MAGNIFICENT MEN IN THEIR

Patrons of the Cen-

ter Library will be inter-

FLYING MACHINES" (141 Min.)

Stuart Whitman, Terry Thomas

TUESDAY-WEDNESDAY August 5-6

7:30 p.m.

ful of action. \_\_\_(ADULT)

finger! -(M)-(A,MY)

SUNDAY-MONDAY

-(A.MY)

THURSDAY-FRIDAY

(ADVENTURE) Colorful epic of famed

-EVENING-

runner) (7 Min.)

(Spy Drama) She was a super-spy, a

AUGUST 1

August 3-4

DOKTOR" (102 Min.)

actress of many disguises,

MPAA ratings.)

use discretion.

Y)-Youths 13-17

(C)-Children 8-12

"FRAULEIN

SATURDAY

(M)-Mature for Y & C

used on two different types of familiar Parents' I

the Center Theater will be

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 rolls.

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.

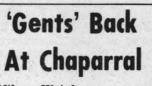
Dress may be casual, but shoes or heavy stockings must be worn. General admission is \$1.50, although members bearing identification will be admitted for 75 cents.

### 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 Jun-August 7-8 ior 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.



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.

From		STAMP
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		e state (se
	2	NALE AND AND AND

## **Summer Youth Employment Hits Record Figures**

gram.

summer.

study.

colleges

A total of 443 students and faculty members were employed at the Naval Weapons Center this summer making it the largest program ever coordin ated since the inception of the Summer Employment Pro-

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

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

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

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



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

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

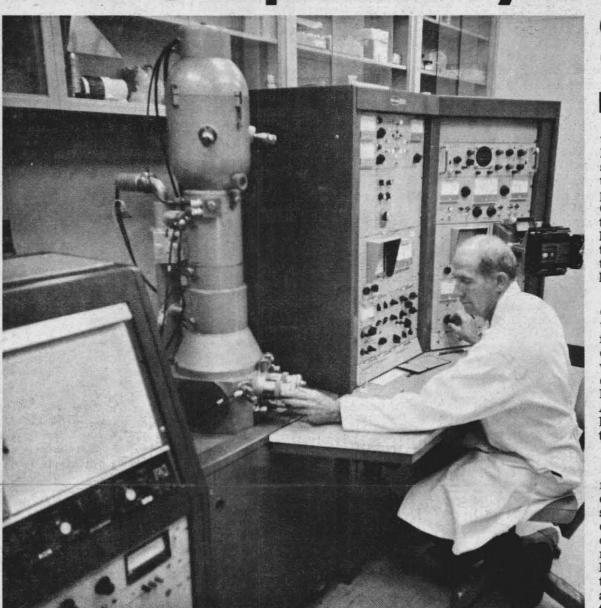
Some of the lunar samples that were brought back to Earth as a result of the mission of Apollo 11 will soon find their way to the Naval Weapons Center, according to Charles M. Drew, a chemist in the Research Department, who has been designated one of the 140 principal co-investigators on the Lunar Sample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

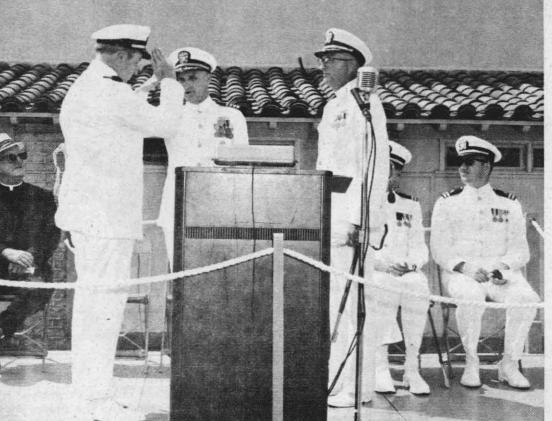
**Electron Microscope** 

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)



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 Septem-



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. Oth-

ers 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).

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

According to Paul Riley, for which requirements have Counselor at the Desert Cam- been specifically defined, adpus of Bakersfield College, ded Riley. students who wish to attend The School and College Athe institution in the fall bility Test will be administermake appointments ed at 6 with Riley's office for Coun- the English Classification test seling.

Counseling will begin Au- Tuesday. gust 11 and run through Aug- The Reading Placement test ust 28. Riley pointed out that students may also register for courses at the college when they come for for those interested in entheir counseling appoint- rolling in calculus and adments

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

### **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

p.m. Tuesday, and will be given at 7:30 p.m.

will be given at 6 p.m. on Wednesday evening and the Mathematics Placement Test. vanced mathematics, will be

(Continued on Page 7)

Due to the upcoming switchover in the tele phone facilities at NWC new emergency numbers have been issued for use by residents of NWC house ing 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 Page Two

### CHAPLAIN'S MESSAGE\_

# No Man Is An Island

### CHAPLAIN JAMES HOGAN

As of this writing, the newspapers tell us that thousands of air traffic controllers may resign, the end result of which may be one of the largest airline snarls in history.

Whether or not this comes about, it's at least a forcible reminder of how much we all depend on one another. Man is constantly faced with one of the ironies of life: the more he seeks to be independent and selfreliant, and the more technology assists him toward this goal, the more dependent he becomes on other people. This really was always true, and it's true in every area of life. Probably no one in New York gave much thought to the importance of the garbage man, until

a strike left tons of garbage rotting in the streets. Here at China Lake, the important work going on in the laboratory depends on the intellectual labor of men whose training and ability make it possible. Yet it would never get off the ground or simply be impossible to begin with, were it not for the security men who guard the area, the contractor and brick-layer who construct the buildings, the typists who do the paper work, the people who make typewriters and paper-and so on, "ad infinitum."

Yet this inter-dependence we call social cooperation is largely anonymous; and no man can be happy or live on this kind of bread alone.

Man is above all a person, an "I", a whole complex of reason and emotions which go completely unfulfilled unless others recognize and accept him. To be accepted and appreciated for what we are, and to grant this recognition to others-in short, to find person-to-person relationships in our lives is in a certain sense more important than food and drink.

But even this is not enough. We all know that the highest human relationships require the depth of Love. Husband and wife, parent and child, friend and friendin whatever way people may be bound to each other, a loveless life is no life at all, because life without love is not human.

And so it is that as we ascend the scale from social cooperation to recognition of personal dignity and on to higher forms of human love, in every instance we are bound to others by closer and closer ties.

"No man is an island . . .he is part of the main . . ." What I am and what I do affect the lives of countless others, just as what they are and do affect me.

The paradoxical part of it all is that the more we become involved with others, the more we need them, the more free we become. Perhaps that's what it's all about when long ago an inspired writer stated that "the truth shall make you free."

### **CENTER LIBRARY LISTS NEW BOOKS**

A complete list of new books is available in the library. Fiction

Armstrong-Seven Seats to the Moon. Hunter-Spies, Inc. Loring-Love With Honor. Van Dyke-Blood of Straw-

berries.

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#### The Rockefeer **Official Weekly Publication U. S. Naval Weapons Cente**

China Lake, California Capt. M. R. Etheridge, USN

"J." Bibby Public Affairs Officer

Joan Raber Associate Public Affairs Officer (Acting) Director of News Bureau William P. Valenteen, Jr

> Jack C. Lindsey Staff Writer

#### Lucille Edwards Editorial Assistan

PH1 Gary D. Bird, PH2 Delmar E. Hart, PH2 Michael F. Krause, AN Maurice Dias Staff Photographers

#### DEADLINES:

**News** Stories ..... Tuesday, 4:30 p.m. . Tuesday, 11:30 a.m. Photographs The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NavExos P-35, revised July 1958. Office at Nimitz and Lauritsen. 

Non-Fiction Bigler-Chronicle of the West.

Day-Adventurers of the Pacific. Desautels-The Mineral Kingdom. Hunt-A World Full of

Animals.

DIVINE SERVICES

> Protestant (All-Faith Chapel)-Morning Worship-8:15 and 11 a.m. Sunday School-9:30 a.m., Chapel An-nexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) loopposite Center Rest

> Roman Catholic (All-Faith Chapel)-Holy Mass-7, 9:30 a.m., and 12:30 p.m.

Daily Mass-11:30 a.m. in Blessed Sacrament Chapel. Saturday, 8:30 a.m.

NWC Jewish Services (East Wing All-Faith Chapel)-8 p.m. every first and third

Confessions-7 to 8 p.m. Saturday

Sabbath School-10 a.m. to noon, every irst and third Saturday

Unitarian Fellowship-(Chapel Annex 95, 95 King Ave.)-Sundays, 7:30 p.m.

### ROCKETEER

### PROMOTIONAL **OPPORTUNITIES**

Employees are encouraged to apply for the positions listed below. Current ap-plications (SF-171) or Standard Form 58 bringing your work history up-to-date ld be forwarded as described be low. The fact that positions are advertised here does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as cally qualified will be a supervis ory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonnerit reason and without favoritism bas ed on personal relationship or patronag The vacancies listed below are effective

for Aug 1 to 8 Aug 1969. Electronics Technician, GS-856-7, PD No. 6960036 Code 6052 - Work closely with scientist and engineers in all phases of sample preparation and operation of the Electron Scanning Microscope; diagnose operational problems which arise and make minor electronic and general maintenance repairs; assist in and personally perform minor electronic modifications to accomplish special set-ups; assist in implementing redesign of components to improve the operational efficiency of the Electron Scanning System. Minimum Qualification: 2 years of gen-

eral experience and 3 years specialized experience. Specialized must have been progressively responsible and included use of schedmatic diagrams, variety of test equipment and application of appropriate electronic formula.

Job Relevant Criteria: 1) Experience in fabricating electronic assemblies, 2) Capable of performing repetitive operations for long period of times and still mainain a high degree of accuracy, 3) Some familiarity with the operation of an Electron Scanning Microscope.

File application for above with Jan Bixler, Personnel Building, Rm. 24, Phone 72723.

Supply Clerk (Typing), GS-2005-05, PD No. 725029, Code 2591 This position is supervisor of the office located at the Storage Branch, Material Division, Supply Department, Responsibilities include super vising the preparation and processing of Telmart orders, handling correspondence and communications, records and reports. Minimum Qualification Requirements: One year of general experience in clerical or office work of any kind which has demonstrated the ability to perform satis-factorily at the grade level of the position. Two years 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 n CSC Qualifications Handbook X-118, GS-02005 Series. College education may be substituted.

Supervisory General Supply Assistant, GS-2001-07, PD No. 625014, Code 2582 -This is the Head, Control Branch, Aviation Supply Division, Supply Department, Res ponsibilities include inventory management; document preparation and distribution preparation and coordination of Supply data processing function; determining the handling precedence of issue documents; and preparation of certain Supply manage ment reports. Coordinates the work program of the Stock Control, Issue Control, Special Programs and Receipt Control Sections of he Control Branch, Aviation Supply Division. Supervising three clerical positions. Minimum Qualification Requirements: Three years of general experience in administrative, professional, investigative or other

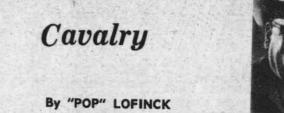
(Continued on Page 7)

### **Assessments** Due Assessments No. 182 and

110 are due from members of the Government Employees Benefit Association and the China Lake Mutual Aid Society for the death of member Homer McPhail who passed away at his home in Ridgecrest, July 26.

All members are reminded to contact their collectors as soon as possible and pay the \$1.20 assessment.

For those who may wish to make advance payments, or pay by mail, checks may be mailed to Lawrence R. Mason, 208 Bonita, Ridgecrest. A drive for new members is currently being conducted. For applications, contact the collector in your working area or call Mason at 375-2846.



'DESERT PHILOSOPHER'

Although this column is not about the Navy-it is interesting.

It is about how the early United States Cavalry got recruits.

Not from the big open spaces-as you might expect. But from able-bodied young men in big eastern cities with a yen to live in the big Wild West.

The Cavalry wanted to train reccruits to ride the Cavalry way. Cattlemen rode with long stirrups with about as much of their weight in the stirrups as in the saddle-better for roping cattle and horses.

The Cavalry had short stirrups-better for a Cavalry charge.

I never heard of a battle being won by a Cavalry charge, not since guns were invented-but they stuck to the possibility.

Cavalry was mostly for reconnaissance, but also had to operate as a troop unit as well as individuals on reconnaissance.

Fort Riley, Kansas, was Cavalry Headquarters where all recruits were sent. They were first taught how to saddle up and unsaddle, curry and feed, mount and dismount gracefully so that a camaraderie developed right away between the soldier and his mount.

#### Training

The training was held in a big long pavillion-with several inches of tan bark-not sawdust-on the floor.

A gallery ran around the whole length and width of the pavillion, high enough for an observer to get a good view of the whole performance from any seat.

Word would get out all over the country when training was to begin-so that the gallery would be crowded to see the circus.

### **Bugles Tooted**

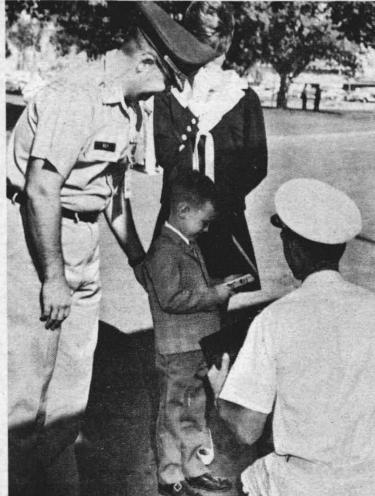
The recruit would lead his horse out into the line-up around the arena. A bugle would toot and the recruit would mount very gracefully-he had been trained for that much. Another bugle toot and the horses would start walking-

another toot-walk faster. Another toot and a slow trot. They (the recruits) would hang on! Trainers were mixed in with the recruits to criticize and

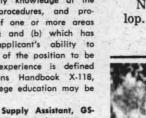
teach. Many recruits had never been on a horse faster than a walk-so some would fall off.

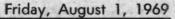
Next speed was a canter-between a fast trot and a gallop. More would fall off. The gallery would scream with

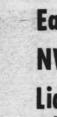
#### (Continued on Page 7)



POSTHUMOUS AWARDS-Capt. M. R. Etheridge, NWC Commander is shown above presenting the Bronze Star to John Pinney, Jr. at a presentation held July 25. John's mother, Mrs. E. DeLois Pinney, and Major G. N. Key, Army Liaison Officer at NWC, also took part in the posthumous awards ceremony. Sgt. John Pinney, who was killed in action while serving in Vietnam was also awarded the Air Medal and a second Purple Heart. Pinney was a Burroughs High School graduate and longtime IWV resident.







### ROCKETEER

#### Page Seven

### Earl R. Towson **NWC Washington Liaison Officer** The next member of the

China Lake staff to fill the post of Liaison Officer in Washington, D. C., will be Earl R. Towson, whose current position is Program Director for Intelligence in the Weapons Planning Group at NWC.

Towson's official tour as NLO will begin August 4 and extend through September 29. Towson came to the Center as a summer employee in 1960 and as a Junior Professional in 1961 with a B.S. in Aeronautical Engineering from California State Polytechnic College, San Luis Obispo, Cal. In 1963 he received a Bu-Weps Graduate Fellowship through which he earned an M.S. in Aerospace Engineering in 1965 from the University of Arizona.

His early work at NWC was with the Supersonic Track Division, Code 3072. As mechanical project engineer, and later as section head, he was involved with such projects as the Phoenix motor, Gemini, Walleye warhead, HART/ZAP, Martin-Baker aircraft escape systems evaluation, Chaparral, Tripartite shaped-charge warhead evaluation, and Shrike radome rain erosion tests.



#### FARL R. TOWSON

Since 1965, Towson has been an Operations Research Analyst for the Weapons Planning Group. In this area he performed an independent evaluation of the antiwar warfare threat for the 1975-85 period and developed an operational data program involving the support of the Fleet, shore activities, the Navy laboratories, and the operations analysis community.

In 1967 he was appointed NWC alternate member of the **Director** of Navy Laboratories Advanced Technical Objectives Working Group for Fleet Defense.

As program Director for Intelligence, Towson currently leads the group that provides intelligence services, liaison, and interpretive analyses for the Center's technical programs.

While in Washington, Towson will pursue certain intelligence interests but will, of course, as NLO be available to NWC people who may need his help with management or technical problems.





FIRST TECHNICAL OFFICER-Capt. C. O. Holmquist (c), first officer to hold down the position of Technical Officer at NWC, chats with Frank Knemeyer (r), Head, Weapons Development Department, and Newt Ward, Head, Aviation Ordnance Department, during a brief visit to the Center last week. Capt. Holmquist is now the Assistant Chief of Naval Research.



**RECEIVES PROMOTION**—Ens. W. F. Linsley, Navy Exchange Officer, is shown with his wife Nina as she pins on his new LTjg collar insignia. The ceremony took place in the office of the NWC Commander, Capt. M. R. Etheridge.

### **Desert Philosopher's Column** (Continued from Page 2)

### delight!

The dumped riders would shake their fists and swear at the gallery.

That was the Army's idea-that a man could not be very mad and badly scared at the same time. It worked.

The horses were polite. The next time around the horse would stop for the grounded recruit to remount. He had to remount-to avoid the razzing from the gallery. It was interesting how quickly these raw recruits would

learn to be good riders, and amusing to see earlier trainees in the gallery razzing the recruits. Most of these soldiers stayed in the Cavalry. It became a

"Way of Life".

Another phase of early cavalry activity was getting an Indian maid for a girl friend. I don't know if there was an Army regulation against it-but a few troopers did anyhow in some areas. So the joke was that the Cavalry knew what the Indians were up to, and the Indians knew what the Cavalry was going to do-possibly through the same Indian maid. It worked both ways. In some areas there were as many different kinds of Indians as there were different kinds of whites

The story was told that General Custer died of too much ego-that he was duly warned by Army Intelligence and by friendly Indians, but he went ahead anyhow.

Who knows the right or true side of these stories?

The German army had a different system of cavalry training-out in the open. If a recruit fell off his horse a trainer would capture his horse while the other trainers would throw rocks and mud balls at the grounded recruit. He was eager to get back in the saddle. That was the only safe place.

The United States Army system in the pavillion was much superior training.

### **NWC Summer Employment Program** (Continued from Page 5)

Randolph, Code 60, Pasadena City College; Gary J. Stensland, Code 60, Montana State University; Cathy deWolfe, Code 65, San Jose State College; Harvey Kramer, Code 65, Case Western Reserve University; Paulina Wee, Code 65, University of Calif., Berkeley; Robert M. Johnson, Code 75, Claremont College; Eugene Alward, Corona Stanford University; Lee Anke, Corona, Un-iversity of Calif., Riverside; John Basinger, Corona, University of Calif., Riverside; John Buban, Corona, Georgia Institute of Technology; Lincoln Furuya, Corona, University of Arizona; Stuart Goodgold, Corona, University of Calif., Los Angeles; Gary Graham, Corona, University of Calif., Los Angeles; Larry Griffith, Corona, Thayer School of Engineering; Leeds Lacy, Corona, Claremont Graduate School; Richard Marsh, Corona, University of Calif., Irvine; Frances Peters, Corona, University of Calif., Riverside; Raymond Rice, Corona, University of Arizona; Evelyn Rockar, Corona, University of Calif., Riverside; Henry White, Corona, University of Calif., River side.

**Undergraduates and High School Students** China Lake

Code 00 Carol Bobryk, James Simmons. Code 14 Linda Lyman.

Code 17

Jane Arnold, Bruce Aulds, David Bates, Thomas Clow, Edward Craig, Laurence Creider, Quentin Dalton, III, Edward Gor don, Danny Hogue, Caroline MacDonald, Diana Murbach, Robert Sullivan, Timothy Tiffany, Susan Williams,

### Code 18

Gerald Caffery, Michael Caffery, Carolyn Johnson, Karen McLaughlin, Paul Voss. Code 25

James Bobryk, Richard Braun, Alan Carter, Roberta DeYoung, Nancy Erbes, Susan Gragg, Catherine Haymaker, Margaret Hodges, Stephanie Inscore, Jack Kash, Catherine Kline, Kenneth Kozachenko, Diane Kresha, Mary Linwinko, Paul Maschhoff, Charles Paine, Sidney Richison, Floyd Sal yer, Stephen Schreiber, Daniel Schubert, Ronald Shadden, David Strange, Rosetta Summers, Harold Taves, Donald Thompson, James Villenave, Shirley Wilson, Elizabeth Young.

#### Code 30

Donald Ashbrook, Bonnie Aulds, Rober Bechtel, Terry Belisle, Linda Brown, Charles Cleary, Beverly Cooper, Nancy Cummins Richard Daillak, Richard Davies, David DeManty, David DeMoss, Frank Donnelly, Debra Duncan, Yvonne Even, Christine Fath, Mary Finch, Margaurite Ford, Gre-gory Garman, Charles Goff, John Greedy, Albert Green, Barbara Haefele, Stever son, Susan Hazeltine, Constance Higains, Janice Hulsey, Lana Kline, Dennis McGuire, Michael Pullen, Michael Rodgick, Larry Rollingson, Roy Roseberry, Earlene Rosenlof, Eric Schneider, Mary Schillings, Emilee Stone, Paul Streets, Eric Strem, Dana Tiffany, William Treadwell, Mark Viers, Gary Wallace, John Ward, Richard Ward, Andrew Werback, Peter Werback, Dana Williamson

#### Code 35

Ann Allan, Roger Barker, William Cherry, Mike Davis, Kent Fiske, Kathleen Ford, Richard Fowler, Christine Garcia, Edward Gauthier, Gloria Giraud, Margaret Grams, Janice Grundman, Susan McEwan, Ronald Michels, Robert Miller, Shirley Oftedal, Nathan Okum, Susan Parry, Thomas Per kins, Douglas Rasines, Gary Riley, Bruce Samuelson, Daniel Skaar, Doris Temple, Julian Tkachuk, Donald Wheeler, Lee

#### Code 40

Jarien Askerman, Sandra Barker, Roger Bezansky, Linda Bjorkland, Stephen Braun, Merle Brown, Linda Bueltman, Julia Campbell, Phillip Carlos, Mark Cartwright, Gregory Catcott, Eleanor Cleary, Carolyn De- Wear casual, comfortable Ham, Darrell Deuell, William Fagnant, George Hamlett, John Hansen, Margaret Harper, Nancy Hawthorne, Peggy Hensley, Frederick Hulsey, Deborah Huntley, Regina Hupka, Tanalee Jackson, Sarah Jordy, Cheryl Keith, Barbara Langland, James Marusek, Elaine Miller, Marcia Morgan, Paul Owens, Howard Pearlman, Connie Rasmussen, Sharon Roberts, Shirlene Rosenlof, Diana Stewart, Kathleen Strang, Donna Thomas, Steven Williams, Robert Williamson, III.

### Code 45

Andrew Bischel, John Bucher, James Grayson, Roger Hall, Helen Hammer, Nancy Hicks, Gary Hunt, Michael Hurick, Anthony Krakowiak, Donald Kroll, James Kuzmin, Bettie Madderra, Mary McCammon, Cynthia McDaniel, William Rogers, James Rosalanka, Gale Schneider, Caroline Sibley, Mary Solas, Mary Suydam, Wayne Taylor, Richard Weiss.

### Code 55

Thomas Allan, Edmund Anderson, Clay Austill, Karen Bendele, Phillip Bock, Mary Boss, Laurel Bueltman, Joel Cash, Jane Crow, Annette DiPol, Lynn Douglas, Paul Ford, Steven Fowler, Shirley Francis, Randi Frency, Linda Garman, David George, Ivor Highberg, Jr., Gary Holma, Bruce Jep. psen, Joyce Johnson, Harvey Kaslow, Char lotte Kennedy, Marla Larson, Mary Meyer, Larry Pavey, Paul Rafalski, Scott Shacklett, James Shepherd, Arthur Smith, Bon-

Renke, Gloria Renke, Dennis Scott, Bon nie Sibley, Rellis Sisco, Allen Stone, Gary Suchoski, Glenn Williams, Terry Wolford. Terry Zuranleff. Code 75 Linda Anderson, Brenda Crescenzo, Gayle Moses, Patrick Motley, Lee Nelson, Elaine Ousley, Linda Pracchia, Cheryl Robertson Barbara Rodgick, Robert Roseth, Donne Rowell Code 84 Mary Becker, Phillip Gieg, David Glass

Code 60

David Atkinson, Janet Bell, Pamela Be

ges, Richard Crow, James Heflin, Gre

gory Henderson, Ida Jonassen, Stanle

Code 65

Pamela Meuser, Willis Miller, Elaina

Code 70

Patricia Anderson, Anthony Batista, Pam

ela Brummett, Charles Cantlin, Georg

Carr, Susan Cragin, William Delaney, Ca

los Dickson, Paul Jaques, Gary Johnson

Gary Lough, Brian McNamara, Lorne N

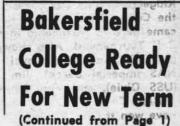
Namara, Danny Morse, William Munroe Floyd Norris, Jr., Charles Poteet, Deborat

Metcalf, Charles Rogers.

Kenneth Holbert, Jay Leininger, Sheryl Maughan, June Mikkelsen, James Molloy Richard Slechta, Randall Smith, Christine

Code 85 David Becker, Linda Brehmer, Raymond Carter, Snowdy Dodson, Brian Eckhardt, James Harper, Thomas Hibbs, Sandra Johnson, John Kelly, Michael Leonard, Richard Lewis, Joseph Mallory, Phillip Martin, Jacqueline Patterson, Stephen Reeve, Michael Shefler, Ruth Smith, Sandra Win-

Corona Randy Aguilar, Sandra Alexander, Larr Anderson, Paul Argo, Elizabeth Armstrong Ronald Arnold, Sandra Arnold, Michael Ashton, Monna Barkman, Richard Becerra, Gary Buchanan, Raymond Buland, An thony Chiarle, Margalee Claunch, Alfred Contreras, Carolyn Corona, Dennis Cor win, Jack Cunningham, Sherry De Gifford Glen Ehresman, Samuel Eriz, Christine Fitz gerald, Elizabeth Fryman, Sherry Gibbons Anita Gonzales, Teresa Gonzales, Rosemary Gliszczynski, Kathy Graves, Sharon Gu nerson, Dennis Hale, Lupe Herrera, Charles Hinzie, Rex Horsley, Judy Kelley, Kennett Kipp, Frances Lord, Kenneth Ludwig, Linda Ludwig, Richard Macias, Jerry Marez, An gie Martinez, Tom Martinez, David Mc Croskey, Clarence Merzals, Julia Moss osemary Neary, Susan Nichols, Ojald, Gloria Ortiz, Thomas Parker, Mary Ann Phillips, Vernon Powel, Susan Price Rose Sanchez, John Seybold, David Sheehy, Kathy Shively, Kay Skinner, Jeffery Spind Judith Treangen, Susan Vandenberg Beth Waite, Katherine Wales, Cynthia Wa nock, Carol Wigelsworth, Ray Willison Theresa Wood, Jeanie Zieman, James Sub recky, Janice Zwart



given at 6:45.

Mr. Riley advised that those taking the tests "get a good night's sleep" before attempting them. He also suggested that Examiners clothing, and that each person bring their own ballpoint pen with black or blue ink

A complete schedule of fall courses and course descriptions is available in the college office and in businesses in town and offices on the NWC base.

The Desert Campus of Bakersfield College, a fully accredited two-year college, is temporarily located on the south side of the Burroughs High School Campus.



### ROCKETEER



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 I-r) Jeff Dierolf; Robert Rosas; Tom

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 (I-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.

Page Six

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

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

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

2-0, led by the hitting of Jack Jack Ferguson came up to the Ferguson, China Lake catcher, plate and clouted the very first who belted one over the left field fence in the second inning. Another run put them in and that was the story for that evening.

The final game of the Dis- ver City. trict playoffs saw China Lake All Stars in a contest that they scheduled to play Thursday also won by a close score. In night, July 31, against the winwinning it 3-2, the locals be- ner of a game that matches came the first China Lake Lit- Glendale and Tujunga. If they tle League team ever to ad- win, they will play again tovance as far as the Sub-sec- morrow night, Aug., 2, for the tional playoffs.

Win Sub-sectionals cal Aces went to the Sub-sec- and 9.

(Continued from Page 2)

one or in any combination of techni-

cal supply functions; or experience in rela-

ed supply activities which provided the

applicant with the required knowledges

and abilities to perform at this level. Col-

lege education may be substituted. Appro-

priate experience is defined in CSC Quali-fications Handbook X-118, GS-2001 Series.

meeting the above minimum requirements,

pplicants will be ranked in accordance

with the following supervisory criteria. a. Ability to motivate, train and work

b. Ability to accomplish work

c. Ability to independently carry out

d. Ability to communicate effectively

e. Ability to understand and fur-

Appropriate supervisory training will be

Supply Clerk (Typing), GS-2005-04, PD No.

725025, Code 2582 - This position is

located in the Control Branch of the

viation Supply Division, Supply Depart-

ment. The incumbent verifies all requisi-

tions for correctness; verifies stock num-

bers and prices on paperwork submitted to

him; audits all transaction cards; prepares

gram; performs stock transfers; works the

ist, the processed transaction list; the

tem change report and Inventory General

Report: screens all Price Management

Minimum Qualification Requirements: One

ar of general experience in clerical or

office work of any kind which has de-

monstrated the ability to perform satis-

factorily at the grade level of the position.

One year of specialized experience in sup-

ply work or closely related activities. (a)

which has required the applicant to ac-

quire and apply knowledge of the rules,

regulations, procedures, and program re-

supply system; and (b) which has demon-

strated 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 sub-

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 pro-

vide secretarial assistance to the Pur-

chase Branch which consists of Branch

Head and three purchase agents. The

paration of reports, filing, time cards, tel-

Minimum Qualification Requirements: Six

onths of appropriate clerical experience.

duties include: Typing, distribution, pre-

ephone and receptionist and messenger.

Advanced Potential: GS-4 level

Code 8412 - Processing incoming official

visitors. Processing consists of contacting

the people in various departments inform-

ing departments or persons of visits, main-

taining cards on all official visitors by

Clerk, GS-301-02 or 03, PD No. 17386.

stituted.

Data Sections issued by ASO, etc.

appropriate paperwork for supply pro-

f. Ability to improve or de

provided to the selected candidate.

work methods and procedures.

effectively with subordinates.

set limits of cost and time.

assignments effectively.

both orally and in writing.

ther management goals.

Job Relevant Elements: In addition to

of Steve Paine and Kevin and despite a valiant effort by score of 4-0, behind the one-hit

Friday, August 1, 1969

The game was put on ice in the third inning, when Jim Kincheloe, China Lake's lead-On Friday, July 25, the lo-cals defeated a Parkview team, gle up the middle. Then Big pitch to him over the right field fence.

This weekend, the China front by 2 in the third frame Lake Little League All Stars will enter the Sectional playoffs that will be held in Cul-

At this writing, they are right to enter the Divisional tournament in San Diego on Last Monday night, the lo- the weekend of August 7, 8,

**Promotional Opportunities Listed** name, company or activity represente clearance, basis of clearance, length o applicant with a general knowledge of visit, contact and purpose. Answer calls one or more aspects of the supply field. on all incoming official visitors, maintain One year of specialized experience in

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 lavel Minimum Qualification Standards: Six months clerical experience for the GS-3

File applications for the above with Carole Cadle, Bldg 34, Rm 26, X-71648. Supervisory General Engineer, GS-801-13, PD No. 345097, Code 4533 - This posi-tion 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 require t is the Bachelor's degree in one of engineering disciplines or physics or equivalent plus three years experience in the mechanics of ordnance design, de lopment, 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 enviromental testing, d) non-destructive testing, e) test design and management, f) guided freefall and ballistic ordnance safety. Advancement potential: position has

rejection listing; checks the price variance tential to go to the GS-14 level. File application for above with Ja Bixler, Personnel Bldg. Rm. 24, Phone 72

723.

Computer Aid, GS-335-4, PD No. 830064 Code 3037 - Incumbent receives, logs in 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. quirements of one or more areas of a Minimum Qualification Requirements: Two years general office clerical experience. Job Relevant Criteria: Knowledge or familiarity of workflow as related to ADP op

Advancement Potential: This position has advancement potential to the GS-5 level.

File above applications with Pat Gaunt, Bldg. 34, Rm. 34, 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 ad ministrative work.

Job Relevant Criteria and or Selective Place ment 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

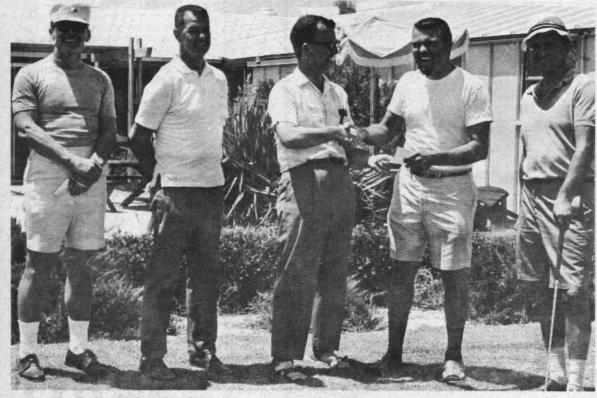
(Continued on Page 8)



tion 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.



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

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

A French film entitled "The Big Radiotelescope at Nancay" 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 Mc-Intire St.). In addition to the show-

ing.

### ROCKETEER

### Page Three

### **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 anaof 3.4 billion years old. He has 55. also been doing some work 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 An example of this problem 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**

ing 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 meet-



Aerospace Education Workshop pause to be photographed outside the entrance to Michelson Laboratory during their recent 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 lyzing rocks that are in excess Root Phillips, Jr. of Code 40-

Dr. Phillips' dissertation was with cretaceous rock from entitled "The Identification of Montana and Alaska which is 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.

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.



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 (I), 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.

### **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 COMCRUDESPAC 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 VAL-LEY 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.

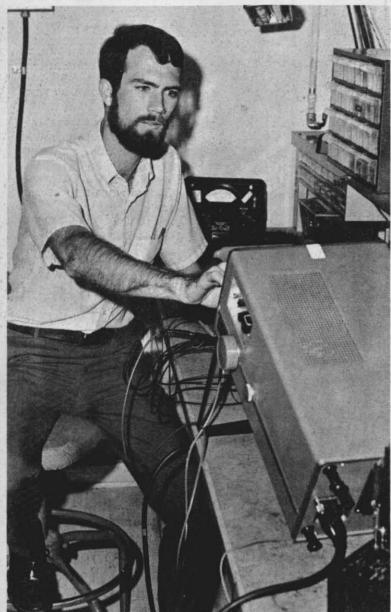
Mrs. Brown is the former Vera Ratcliffe of Revelstoke. BC, Canada. The Browns have three sons-Gary, Randall, and Kevin-and a daughter, Candace. They have not yet established a local address.

Page Four

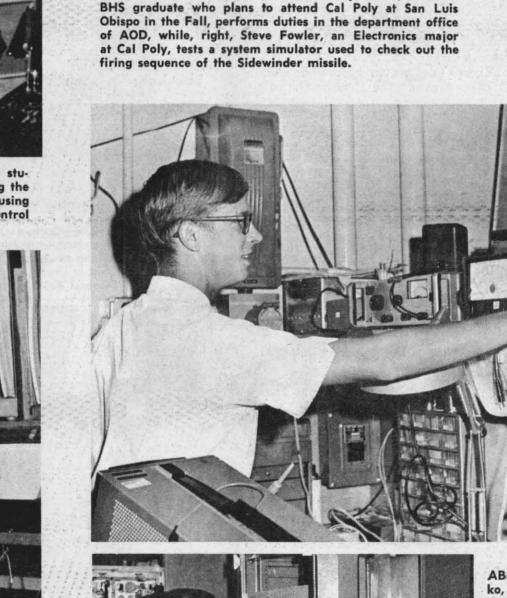
ROCKETEER

Friday, August 1, 1969

# NWCY outh Summer Employment Program Exceeds Previous Record

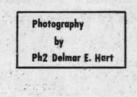


HE'S FROM MISSOURI-Harvey Pottinger, a graduate student from the University of Missouri, Rolla, is spending the summer working on secure communications systems using pseudo random noise sequences in the Armament Control Systems Branch of the Aviation Ordnance Department.





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 (I) 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.

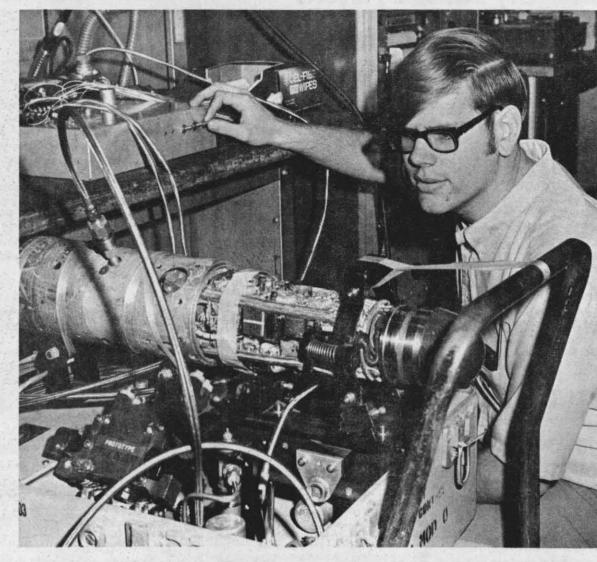




MATH MAJOR-Ann Allan, a Junior at UCLA where she is majoring in Mathematics, Physical Education and Psychology, is shown above installing components on a complex filter board for a doppler radar. Ann is working in the Systems Project Engineering Branch of AOD.



CAL POLY REPRESENTED-Susan Parry, above, a recent BHS graduate who plans to attend Cal Poly at San Luis



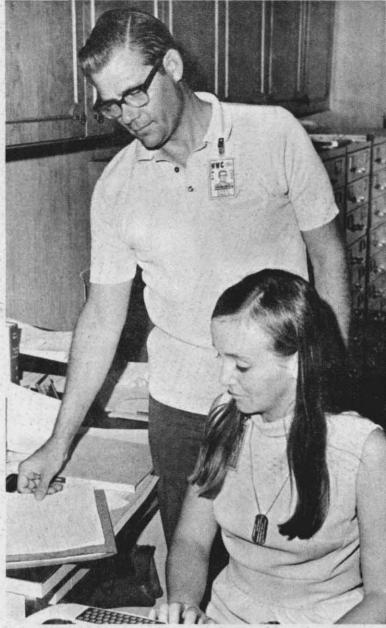


Friday, August 1, 1969

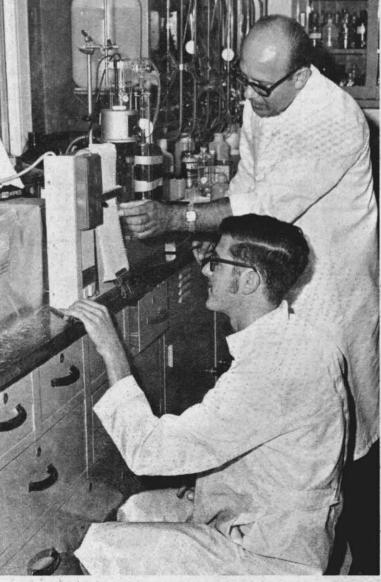
ROCKETEER



DISCUSSION-Glen Tramel, (I) 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."



GONNA 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.



CHEMISTRY MAJOR-Harvey Kaslow (foreground) is shown above performing a potentrimetric titration of thermally decomposed perchlorate samples for chloride content under the supervision of Rudy Muro, Supervisor Chemist in the Engineering Department. Harvey attends Mudd College where he will be a junior this fall.

## 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 recompete 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. Mc-Gie, 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., Pomo na; Jerome Johnson, Corona, University of Redlands; Robert Parsons, Corona, Bakersfield College; Glen Tramel, Corona Jr. High School; Eldon Corona, Calif. Polytech., Pamona. GRADUATES

David K. Andes, Code 12, Universit Calif., Riverside; David Morf, Code 17, Brown University; Karen Bjorklund, Code 17, Stanford University; Fred M. brook, 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. Brugnoli, Code 35, University of Houston; Richard F. Chew, Code 35, University of Calif., Los Ange-David deRoulet, Code versity; 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. Tombor, Code 35, San Jose State; Robert C. Carlos, Code 40, Spring Hill College, Alabama; Gregory Erdmann, Code 40, University of Nebraska; John L. Freeouf, 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. Murphrey, Code 45, Sacramento State College; Robert J. Swan, Code 45, University of Wisconsin; Ralph Perlman, 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)