Any way out was the creed of prison inmates who stage a riot to cover their tunneling activity. This gutsy account doesn't pull any punches! Strictly for the mature viewer. (Adult.)

Short: "Jamaica" (18 Min.)

---MATINEE---"ZEBRA IN THE KITCHEN" (93 Min.)

1:00 P.M. Shorts: "Blackboard Jumble" (7 Min.) "Capt. Marvel" (No. 6, 17 Min.)

"DID YOU HEAR THE ONE ABOUT THE TRAVELING SALESLADY?" (97 Min.) Phyllis Diller, Bob Denver, Joe Flynn 7:30 P.M.

(Comedy) Primrose Junction will never be the same after a piano saleslady meets the town's zany inventor! Bob's woodburner 1910 auto almost wrecks the town as Phyllis wisecracks. Pure corn and comic capers is tops, (Adult, Youth, Children,) Shorts: "South Pole Pals" (7 Min.)

SUNDAY-MONDAY MARCH 30-31 "ONLY WHEN I LARF" (104 Min.) Richard Attenborough, David Hemmings 7:30 P.M.

(Comedy) Trio of con-artists merrily bilk their "marks" from two continents with and doublecross keeps this one moving fast and furiously funny. (Adult, Mature

Short: "Just Plane Beep (Roadrunner, 7 Min.)

THOROUGHLY MODERN MILLIE" (138 Min.) Julie Andrews, Mary Tyler Moore, Carol Channing 7:30 P.M.

sical/Comedy) Spoof on the Flappe Era has two lovelies coming to New York to find their fortune as they rent a shabby room in a less-than-desirable hotel. (Adult,

HURSDAY-FRIDAY (168 Min.) Shirley Maclaine, David Niven, &

Guest Stars 7:30 P.M. (Comedy/Drama) By balloon, yacht, train and car he encountered the most thrilling adventures of a century ago in an attempt to win a bet. Loaded with top star cameos, it's fun to see again and again! (Adult, Mature Youth.)

### Colt, Pony League Hold Registration

Bob Nelligan, president of the Indian Wells Valley Pony-Colt League, has announced that there are still openings for managers and coaches for the 1969 season.

The Pony League needs both managers and coaches, and coaches are still needed by the Colt League. Registration for boys will be held Thursday, Groves School Auditorium China Lake, and in Room 13 at James Monroe School

Ridgecrest.
All boys born between August 1, 1964, and July 31, 1956 and who reside in the Indian Wells Valley are eligible to participate in the Pony League. Boys born between August 1, 1952 and July 31, 1954 are eligible for the Colt League.

Any boy who did not participate in Pony/Colt League last year will be required to show proof of his birthdate at time of registration.

In addition, \$5.00 is required to defray the cost of insurance, equipment, umpires and other operations.

Adults interested in serving as managers or coaches in this activity are invited to call Bob Nelligan, Ext. 72690, or Gordon Peacock, Ext. 71486 for further information



TWO WEEKS ACTIVE DUTY - Last Saturday, March 23, thirty seven SEABEE Reservists from the China Lake-Ridgecrest area stowed their gear aboard a chartered Frontier Airlines jet and headed for two weeks of active duty

and training at the Construction Battalion Center at Gulfport, Mississippi. The local unit, headed by LCdr. R. D. Malone will join other units who are also assigned to Gulfport for construction training.

### **Center Employee Develops Unique** Survival Kit

(Continued from Page 1)

boat and Liferaft kit, containing chocolate, malted milk, sugar tablets, biscuits and pemmican; two Army can openers, an AM-FM 9-transistor radio; a Pioneer wire saw; 20 ft. of nylon cord; four cans of emergency drinking water; assorted tools; safety pins; a folding saw; Woolite handi-wipes; hexamine fuel tablets; and a Lind-blad survival kit containing rubber bands, sponge, tweezers, fishing kit, package of cigarette papers, which Dr. Rob-erts uses to write notes, and the refill of a ball point pen.

Three essential items are a metal match, which, when scraped with a Dutch pocket included in the kit, throws large sparks, and a ball of steel wool, used for starting

Dr. Roberts gave a practical demonstration of the metal match when he lit the ball of steel wool with one scrape from the knife. The steel wool ignited so quickly it had to be discarded, smoldering, as it nearly burned the rest of the

One other important ingredient of the kit: Ur. Roberts has included a dime to make a phone call.

Dr. Roberts is an associate advisor to Explorer rost 68, Boy Scouts of America, and accompanied the boys on a threeweek canoeing trip last year in Canada. This year the Post plans a trip down the Colorado River, through the Grand Canyon, beginning August 2 at Phantom Ranch, and ending trip will be made on rafts. This weekend the boys will raft from Davis Dam to Lake Havasu, and on Memorial Day they will brave the Stanislaus River.

On these outings Dr. Roberts takes along a Canteen-belttype survival kit, which he also put together. Smaller and more compact, it nevertheless contains many of the essential items of the larger kit. Included in the belt kit are: a fishing line; fibred tape; salt tablets; matches; needles; aspirins; water purifying tablets; compass; rubber bands; steel wool; plastic bags and sealers; a wire saw; sponge; first aid booklet; aluminum foil; eyelets and staples for snares; fish hooks; nylon thread; a small flash-light; whistle; safety pins; nails; single edge razor blade; Visine; insect repellant; emery cloth; cigarette paper and pen; opener; file; smelling salts; and the can, which is the size of a canteen and holds

everything.



CHARM CLASS FASHION TEA-Shown above are (I-r) Ida Green, Jeanie Kaufman, Cathy Craddock, and Becky Byrd, rehearsing for a fashion show Tea that will be held April 13 at 3 p.m. at the Community Center. The girls are part of the Charm Class that was taught by Leah Little for the last ten weeks. The Tea, an activity of the China Lake Youth Center, represents the culmination of a tenweek course that included instruction on such items as grace, poise, manners and make-up techniques.



NEW ASSIGNMENT - Capt. H. E. Greer has been assigned as Chief of Staff to Commander, Naval Air Forces, Pacific Fleet. He was formerly Commander of the USS Hancock.



# Arts and Crafts

Registrations for the Pastel Art and Creative Craft program will be accepted through Saturday, March 29, at the China Lake Youth Center. The registration fee for the 10-lesson course will be \$5 with the student expected to pay for a portion of the supplies used.

Youngsters may enroll in either of the courses offered and will be assigned according to age. The classes will be geared to the 9-12 age groups in both Pastel Art and Creative Craft, eligible. as well as a more challenging

tact the Youth Center at 72909. one family.

From STAMP

# **Promotional**

(Continued from Page 2)

Prasolowicz, Bldg. 34, Rm. 28, phone 71577 Clerk-Typist, GS-4, Code 55402 - This position is located in the Records Unit of the Mechanical Division, Engineering Deical work, filing and typing. Operates Key Punch and reproduction machines and as-

File above applications with Pat Gaus Bldg. 34, Rm. 34, Phone 71514.

316-4, Code 7034, PD No. 770017 - This position furnishes secretarial services to the engineers of two Branches in the Division: Mechanical Branch and Structural and Architectural Branch. Incumbent prepares all correspondence, receives, sorts, and routes all incoming and outgoing mail, receives telephone calls and visitors, sets up and

Clerk-Dictating Machine Transcriber, GSposition is located in the Planning and Specifications Branch of the Public Works Department, Engineering Division. Incumben furnishes secretarial assistance to the Branch Head by preparation of all correspondence receives, sorts, and routes all incoming and outgoing mail; receives telephone calls and visitors; sets up and maintains files, and performs miscellaneous duties. File applications with Dora Childers, Code

657, Room 32, Phone 71393.

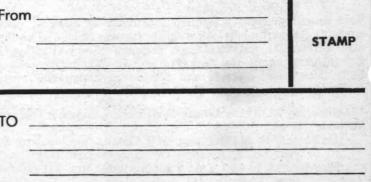
### Little League **Holds Tryouts** Sat., March 29

Tryouts for the China Lake Little League Major and Minor leagues will be held at 9 a.m. Saturday, March 29, and Saturday, April 5 on Diamond 4 for 10, 11 and 12 year old boys. Diamond 4 is located at Halsev and Richmond Streets.

Registration will be held for boys previously unable to register. Eight and nine year old boys may also register on those

Parents must bring proof of date of birth in order to register their sons. Youngsters must be eight years old before Augist 1, and must not be 13 years of age before that date to be

A donation of \$5.50 is asked program for the 13-18 age to defray the cost of insurance, group during a different class umpires, equipment and other expenses. \$11.00 will be the For further information con- maximum amount paid by any



### **Center Employee Develops Unique** Survival Kit

The hobby of "boondocking" with his family has led Dr. Richard A. Roberts, of the Physical Optics Branch, Research Department, to assemble a survival kit which should meet any emergency that the amateur explorer might encounter.

Dr. Roberts, his wife LaRene, and their seven children, Richard, 14, Terryl, 12, Noel, 11, Kenneth, 10, Karen, 7, Bruce, 6, and Ronald, 3 years old, together with their Labrador "Tippy," frequent the back-woods and deserts in their quest for outdoors adventure.

"Putting this survival kit to-gether," Dr. Roberts said when interviewed, "is kind of like insurance. You hope you never need it, but it is comforting to know you have it."

The kit is relatively inexpensive when compared to some commercial products on the market. The kit was assembled over a period of six months, based on manuals Dr. Roberts has read, and incorporating ideas he has gained from his work with Explorer Post No. 68. Strong on signaling devices and first-aid products, the kit contains many features not usually regarded as survival gear.

Broken down into four main categories. signaling devices: hunting, fishing and trapping implements; weather gear; and basic survival gear, the kit contains the following: Signaling Devices

A poncho, which could be included in the weather gear section, is included here because it is red on one side, and can be used for signaling; a Penguin flare gun, which is small and shoots a flare 300 feet into the air; a signal mirror: a USMC smoke flare. which shoots a flame from the other end for night signaling: a whistle, and a compass, included here because it has a bright reflective surface on the back. and a magnifying glass on the end.

**Hunting Implements** 

The most essential of the hunting and fishing items is an Armalite AR-7 rifle, which houses the barrel, trigger action and clip in an airtight plastic stock which floats; and two boxes of 22 calibre snells. Also included are a fishing kit; nylon thread and hooks; and a hunting arrow tip, which

can be made into a spear.

First Aid Equipment The first aid equipment is extensive, but fills only a small space in the kit, as most of the tubes are small and practical. Included is a Red Cross first aid manual; sugar tablets; aspirins; compressors; cotton wool; iodine tablets; snake-bite kit; thermometer; chap - stik; band-aids; water purifying tablets; Visine; insect repellant, and iodine. Dr. Roberts also got a prescription for pain pills and diarrhea tablets, and

included them in the first-aid

inventory.

Other Items Rounding out the basic uses of the kit are items such as: a manual on Desert Survival from the Maricopa County Civil Defense Corps in Phoenix, Arizona, which, according to Dr. Roberts, "... is the finest manual on the subject he has read." and a mini tent: thermal blanket; and the USAF survival manual.

Also included: stick matches in a polaroid film case; heavy duty foil for cooking; hard candy; 8 pemmican fruit bars, high in protein; household candles; the Coast Guard Life-

(Continued on Page 8)

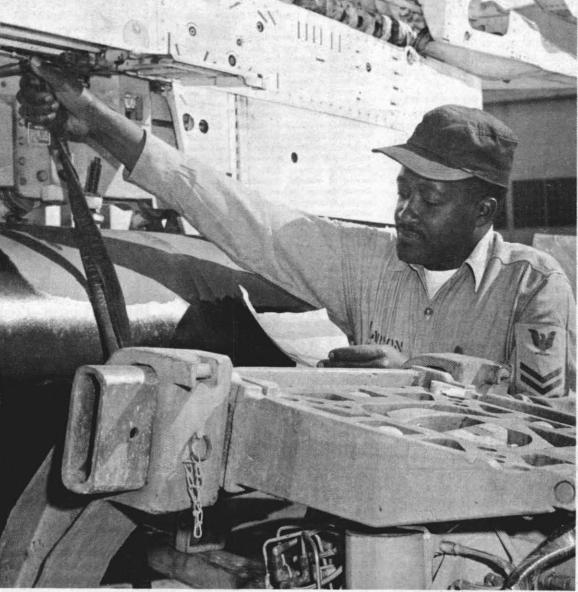


Naval Weapons Center, China Lake, California

Fri., Mar. 28, 1969

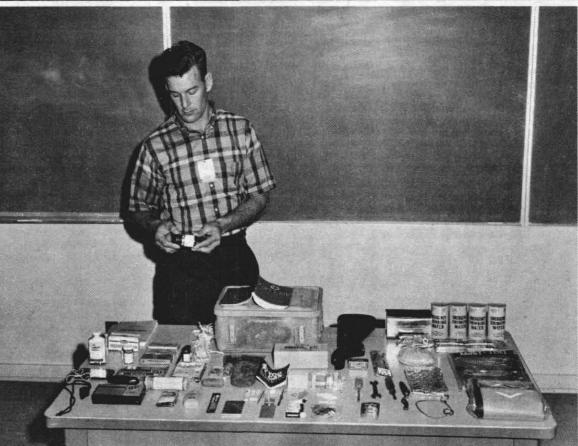
In This Issue The Laws Railroad Museum

# VX-5 Ordnanceman Selected As March Outstanding Bluejacket



WINS TOP HONORS — This month's selection for Bluejacket of the Month is Marshall Pearson, an Aviation Ordnanceman from

VX-5. Pearson, a native of Columbus, Ohio, and his wife, Earline, will be hosted to an all-expense paid weekend in Bakersfield.



DR. RICHARD A. ROBERTS, Physical Optics Branch, Research Department, is shown with his Emergency Survival Kit, which he has put together over the last six months. The kit contains nearly every essential item needed for survival, including hunting items, all-weather gear, a tent, food items,

first-aid supplies, signaling devices of all kinds, and even contains a dime for making a phone call. The kit is an outgrowth of survival manuals Dr. Roberts has read, and personal experiences he has had in his capacity as associate advisor for Explorer Post 68, in a three-week trip to Canada last year.

### **Marshall Pearson Unanimous Choice** For NWC Honor

AO2 Marshall Lee Pearson has been named Bluejacket of the Month for March. A line Ordnanceman. Pearson is attached to VX-5 where his duties consist of checking all ordnance loaded and readied for each flight.

Pearson's exceptional qualifications and his interest and love for the Navy in a 10-year career were the primary factors that led to his selection.

Pearson, a native of Columbus, Ohio, and his wife Earline, share an interest in fishing and camping. "We've been all around this area, Lone Pine and Bishop, and the fishing is fine," he commented when interviewed. "However, the Salton Sea seems to be our favor-

His son, Kenneth Lee Pearson, 12 years old, frequently goes hunting with him, another hobby Pearson enjoys. This spring, Pearson hopes to coach on his son's Little League team, "Something we both should enjoy." he stated. "I played some ball in school, but got away from it after joining the Navy," he said.

Pearson made five cruises to Vietnam aboard the USS Kitty Hawk between 1963 and 1968, where he served as a missile technician. Prior to that he served at Key West, Florida, in General Ordnance.

The Pearson family resides at 104-A Independence St., on the Center and enjoy the desert weather, ". . . and especially the people," Pearson re-

Since reporting aboard in April of last year Pearson has enjoyed his duty assignment at VX-5, and is impressed with the abilities and personalities of the men with whom he

Feted in Bakersfield

As a result of having been chosen as Bluejacket of the Month for March, Pearson and his wife will be freated to an all-expense paid weekend in Bakersfield by the Bakersfield Chamber of Commerce. The Pearsons will drive to that city in a new Ford from Desert Motors in Ridgecrest. In Bakersfield, they will be greeted by representatives of the Chamber of Commerce and Pearson will be interviewed on KERO-TV.

They will be hosted by the Hill House, 700 Truxtun Avenue, where they will receive lodging and meals, and will be provided with a new car from Bob Kitchen/Ed Evans' Kitchen Boyd Motors for their use while they are in that city.

In addition, gift certificates will be provided by Brock's Department Store, 1918 Chester Avenue; Valley Office, 1622 19th Street; the Cue Ball, 2111 Chester Avenue, and the Kern County Museum, 3801 Chester Avenue. They will also receive

(Continued on Page 3)

#### CHAPLAIN'S MESSAGE

# Mental Processing



CHAPLAIN JUDE R. SENIEUR

An opinion might be defined as a picture of reality processed by a human mind. When people exchange opinions they are, in effect, saying "this is how I see it." this is how I hear it." Reality passes through the five senses into the mind. There it is processed through subjective feelings, prejudices, preferences, intentions, motives, and previous knowledge. In communication, reality is transmitted with all these trappings.

In cases where these trappings have become a hang-up, doctors are able to isolate them by presenting to the patient a series of ink splotches, which in reality are no more than ink splotches. The patient's interpretation of the splotches is often a description of the trappings through which, for them, reality is processed

Our mental trappings can be an advantage or a disadvantage, depending on whether they enhance or distort reality.

Prejudice is defined as a judgement formed before the facts are known, resulting especially in an unfavorable opinion. This would make prejudice a consistently undesirable mental trapping. Feelings and preferences based on previous experiences can often make us more sensitive to reality. Intentions and motives can point us in the direction of a broader vision of reality. And exact knowledge stored in the memory can give valuable dimension to every new experience of reality.

Unfortunately few of us, if any, have a set of perfect mental trappings. We see before we really look. We hear before we really listen. We make up our minds about so many things before we give ourselves a chance to get reality into focus. Often we simply refuse to face reality because we do not wish to face the consequences of reality.

Take the Resurrection, for example. If Christ really rose from the dead on the third day, that means He WAS who He said He was. Life is what He said it is. And eternity will be what He said it will be. And all THAT could be very disturbing. Rather than face the consequences of such a reality it is often easier to let our mental trappings process the picture into a harmless myth.

But the reality of the resurrection will not be silenced into mythology by our mental processing. With it man became aware of his eternal destiny and that awareness will always be with us, to disturb those of us who are hung up in our mental trappings, to bring peace to those of us who "have eyes to see and

### **Backus Pageant P.R. Director**

A native Pennsylvanian and a graduate of the University of Pittsburgh has been named assistant director of public relations for the Miss Ridgecrest-China Lake Pageant, Margy scholarship program.

Zinke, pageant director, an
Backus pointed out that the nounced this week

Raymond J. March, who was eant offers in grooming, pertions director post two weeks

The young Bakersfield Col-

participate in community affairs, particularly the local pageant which offers girls of the area educational opportunities through an established

closing date for entries in the He is Frank K. Backus, as- pageant is April 19. "I hope sistant professor of Business our young women of the area Education at the local Bakers- will take advantage of the field College. Backus will assist training opportunities the pagappointed to the public rela- sonal appearance, poise, stage presence, and the ability to meet the public," he said.

Entry forms may be obtained lege professor noted that he through the Ridgecrest Chamwelcomed the opportunity to ber of Commerce, at 375-8331.

#### The Rocketeer Official Weekly Publication U. S. Naval Weapons Center DIVINE

China Lake, California Capt. M. R. Etheridge, USN "J." Bibby

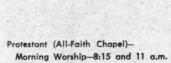
Public Affairs Officer Joan Raber Associate Public Affairs Officer (Acting) Director of News Bureau

William P. Valenteen, Jr. Jack C. Lindsey Staff Writer Ed Ranck

> Lucille Edwards Editorial Assista

PH1 Gary D. Bird, PH2 Delmar E. Hart PH3 Michael F. Krause, AN Maurice Dias. Staff Photographers DEADLINES:

. Tuesday, 4:30 p.m. Tuesday, 11:30 a.m. 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. ...... 71354, 71655, 72082



Sunday School-9:30 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located opposite Center Restaurant

SERVICES

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. Confessions-7 to 8 p.m. Saturday.

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

Sabbath School-10 a.m. to noon, every first and third Saturday. Unitarian Fellowship-(Chapel Annex 95, 95

King Ave.)-Sundays, 7:30 p.m.

### **PROMOTIONAL OPPORTUNITIES**

Present Center employees are encouraged to apply for the positions listed below. Applications should be accompanied by an up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

The vacancies listed below are effective rom March 29 to April 4, 1969.

Warehouseman, WB-69007-05, Code 25984 Performs a number of tasks in connec tion with the physical receipt, storage or issue of supplies. Receives, checks, stows counts, issues and assembles supplies of all types in accordance with established sun ply systems, procedures and methods. RE QUIREMENTS: Must have had six months

Supply Clerk (Typing), GS-2005-04, Code 2573-This position is located in the Issue Control Branch, Control Division of the Supply Department and is directly responsible to the Issue Control Branch Supervisor. Duties include establishing authority for the shipment or issue of Government property; preparation of shipping documents; fur nishing complete shipment data; maintain ing record on all shipments.

Supervisory Shipment Assistant, GS-2134 08 or 09, Code 2598 - This position is located in the Receiving and Delivery Section, Traffic Branch, Material Division of the Supply Department. Duties include: Insure receipt of material requisitioned from off Center; Receive, delivery and document incoming shipment of supplies; Initiate or supervise claims submission and documentation; Supervise approximately nineteen (19) subordinates: Coordinate with Technical Department the delivery of non-stock, special-

File application for the above with Carole Cadle, Bldg. 34, Rm. 26, Ext. 71648. Claims Clerk (Trainee), GS-998-03-04, Code 2598 - This position is located in the Material Division, Traffic Branch, Inspection Section of the Supply Department. The purpose of this position is to inspect household goods of military personnel on both inbound and outbound shipments, analyze claims from household goods shippers.

Qualifications: Requires one year of expe-

File applications for the above with Carole Cadle, Bldg. 34, Rm. 26, Ext. 71648. Clerk-DMT, G5-316-3 or 4, Code 4535 -This position is located in the Analysis Branch, Quality Assurance Division, Propulsion Development Department. The incum-bent types from long-hand notes, transcribes from voice recordings, or the incumbent's own notes, technical and non-technical letters, memoranda, minutes of meetings, and reports generated by the Branch. Establish and maintain branch files and general clerical duties for the Branch.

File applications for above with Jan Bix-ler, Rm. 24, Bldg. 34, Phone 72723.

Supervisory Computer Systems Analyst, GS-334-11, Code 6504 — Position located in the Personnel Department, Information Center. Purpose of the position is to develop and maintain the basic data, the processing s v s t e m and the techniques necessary to nake available accurate and timely information to be used for personnel management. Incumbent conducts analyses of work processes of the Personnel Department to facilitate subsequent processing by computers. Responsible for the coordination and mplementation of all information systems for which the department is responsible Develop, maintain and refine the processes required to insure maximum accuracy and retrievability in the personnel ADP system. The incumbent must have a good working knowledge of statistical techniques of the order of analysis of avriance, missing data correlation, etc.; and have the ability to program the routines involved in this work when necessary. The incumbent must also have a good working knowledge of person-

(Continued on Page 8)

## **Seven Last Words Presented Sunday** At NWC Chapel

"The Seven Last Words of Christ" by Theodore Dubois will be presented by the adult choir of the Protestant Congregation Sunday, March 30 for the 11:00 a.m. service at the All Faith Chapel.

This sacred cantata will be directed by Mrs. Robert Leonard and will feature the following soloists: Marvin Backman, Lorna Carlton, Samuel Haun, Ronald Hise, and Robert A. Leonard. Mrs. Robert Fowler will be the organist. The public is invited to join in this worship service in preparation for Holy Week.



### All Faith Chapel

CATHOLIC SCHEDULE PALM SUNDAY-March

Blessing of Palms and Procession 7:00	A.M.
Masses 7:00 A.M., 9:30 A.M., 12:30	P.M.
LENTEN MASS	
Monday, Tuesday, Wednesday 11:30 A.M. & 5:00	PM
HOLY THURSDAY—April 3	A
Mass of the Last Supper 5:30	DM
GOOD FRIDAY—April 4	r .lvi.
Solemn Service 2:30	DM
HOLY SATURDAY—April 5	P.IVI.
Easter Vigil Services and Midnight Mass 11:15	D. 1.
(Mass at 12.00 Widnight)	P.M.
(Mass at 12:00 Midnight) EASTER SUNDAY—April 6	
Magaza	
Masses 7:00 A.M., 9:30 A.M., 12:30	P.M.
CONFESSIONS	
Wednesday 11:00 to 11:30 A.M. and 3:45 to 4:45	DM
Holy Thursday	D.M.
Good Friday	P.IVI.
Holy Cotynday 4004 500 D35 3500 4:30	P.M.
Holy Saturday 4:30 to 5:30 P.M. and 7:30 to 8:30	P.M.

#### PROTESTANT SCHEDULE

March 30-0815 Service of Worship

1100 Worship Service-will have the "Seven Last Words of Christ" by Theodore Dubois-presented by the Choir.

11:30 Bible Discussion for all adults in the East Wing.

Maundy Thursday-Communion Service at 7:00 P. M. Main

Good Friday Services-12:00 noon in the Main Chapel April 6—EASTER 0815 and 1100 Worship Services.

### JEWISH SCHEDULE

April 3-Passover Seder 6:00 PM Enlisted men of the Jewish faith will be invited guests. Services 7:30 P.M. April 5— Sabbath School 9:00 A.M. to 12:30 P.M.

# **CENTER LIBRARY LISTS NEW BOOKS**

Brunner-Stand on Zanzibar. Beauvoir-Woman Destroyed. Kemelman-Sunday the Rabbi Stayed Home. Reeman-Pride and the An-

guish. Non-Fiction American Heritage-Natural Wonders. Crook-Warriors for the Poor.

Freedom Kallas-Finland: Creation and Construction. Lacouture-Ho Chi Minh. Loomis-Wells Fargo. Sierra Club-Navajo Wild-Steinbeck-America and Americans.

Franklin-From Slavery to



SPRING IS HERE-As evidenced by the colorful arrangements of flowers on display last Tuesday at the Oasis Garden Club's Annual Spring Flower Show at the Community Center. Judges for the event were (I-r) Mrs. Harry W. Webster of Costa Mesa, Mrs. Lyndall E. King of Big Bear City, and Mrs. Kern H. Copeland of Los Angeles. All of these ladies are Amateur Flower Show Judges, accredited by the National Council of State Garden Club's,

# **UCLA Extension Lists Spring Courses—**

The Education Office, Code 0151, is now located in Room 1046, Michelson Laboratory. Registration for the UCLA Science and Engineering extension courses for the Spring quarter will take place during the week of April 7 to 11 in that office. The office is open from 8 a.m. until 12 noon.

Lois Allan, University Extension Representative, is available during the above hours for consultation regarding University of California services; and registration for the classes offered at China Lake.

Although the UCLA off-campus graduate program has ended, extension courses which complement and augment the new USC graduate program will continue to be offered. Also, there is increased emphasis on specialized, project-related courses which will aid Center employees in maintaining updated knowledge in technical areas.

Information pertaining to the classes and to registration procedures follows.

REGISTRATION: Naval Weapons Center civil service employees may enroll in the herein listed UCLA courses without payment of registration fee. Instead, the employee will sign an agreement (NAVEXOS 12410/12 rev. 8-62) committing himself to reimburse the Naval Weapons Center for the registration fee if he fails to finish the course with a grade of C or better. NWC military personnel will be admitted without payment of registration fees on a space available basis. Individuals other than NWC civil service employees or military personnel will be required to pay the registration fees at the time of registration. Payment by the latter can be by personal check, payable to the Naval Weapons Center, or in cash. If in cash, the payment is to be made at the Disbursing Office in the NWC Administration Building and the receipt brought to the Education Office, Room 1046, Michelson Laboratory, on registering.

All students who are civil service employees or military personnel shall submit at the time of registration NOTS Course Enrollment form 11ND NOTS 12410/28. This form certifies that the student is authorized to enroll in the specified course and that the training sought is needed in the performance of his official duties. It must be signed by the student's supervisor and his department head or his designate.

cation Office, Room 1046, Michelson Laboratory.

WITHDRAWALS: The last day that NWC employees may drop a course without penalty of paying the registration fee is the date of the fourth meeting of the class. Dropping a course prior to that date requires a memo cosigned by the employee's supervisor and addressed to the Education Director (Code 015) stating the reason for withdrawal. Any NWC employee who finds it impossible to continue in a course after it is well underway should contact the Education Director for instructions on how to request a waiver of the fee reimbursement requirement.

TEXTBOOKS: Each student is responsible for purchasing his textbooks. Order blanks are available in the Education Office.

CLEARANCE: All persons, whether or not employed by the Naval Weapons Center, who fulfill the prerequisites, may enroll in the UCLA Extension classes. However, those students without station passes must contact the UCLA Extension Representative in Room 1046, Michelson Laboratory, telephone extension 71759, several days before the beginning of the class in order that clearance can be arranged.

PREREQUISITES: The titles of courses listed as prerequites for the winter quarter courses are as follows:

Engineering 20A, Circuit Analysis Engineering 100A, Circuit Analysis

Engineering 102A, Dynamics

Mathematics 11A, B, & C, Calculus and Analytic Geometry Mathematics 12A, B, & C. Linear Algebra and Calculus Mathematics 13C, Intermediate Calculus and Applications Mathematics 130A, Differential Equations

Physics 1A, General Physics — Mechanics of Solids Physics 1B, General Physics - Mechanics of Fluids, Heat & Sound

Physics 1C, General Physics-Electricity and Magnetism Physics 1D, General Physics -Mechanics of Solids and Fluids

Extension courses listed below are open to all students who satisfy the prerequisites.

\*Starred courses may, by subsequent petition, be offered toward the satisfaction of the course requirements for the master's degree up to a maximum of 2 courses and upon recommenda-Registration will be held 0800-1200, 7-11 April in the Edu-tion of the major department and approval of the Graduate

### UCLA Spring Quarter Courses

Physics XL 121, Modern Physics (4) \$65

Instructor: J. E. Fischer, Ph.D., Research Physicist Semiconductors Branch, Physics Division, Research Department

Mon-Wed., 4:30-6:30 p.m., Training Bldg., Rm. 201 (20 meet- The Laplace transform. Description and illustration by the formings, 7 April - 11 June)

Prerequisites: Physics 1ABCD, Mathematics 11ABC, Mathematics 12ABC, or consent of instructor

Text: Weidner and Sells, Elementary Modern Physics (Al-Ivn and Bacon)

This course attempts to provide an understanding of the fundamental physical processes that are important in today's technology. Brief introductions to special relativity and wave mechanics will be used to describe atomic, nuclear, and solid state physics. These principles will then be applied to selected areas of technological importance, such as nuclear power generation, semiconductor devices and lasers. Mathematical treatments will not be stressed, but prospective students should have some familiarity with classical mechanics, electricity, magnetism, and

Mathematics XL 140B, Numerical Analysis (4) \$65

Instructor: J. J. Zenor, Ph.D. Mathematician, Data Reducment Department

Tues-Thurs., 6:45-8:45 p.m., Training Bldg., Rm. 107 (20 meetings, 8 April-12 June)

Prerequisite: Math. 130A

Text: Henrici, Elements of Numerical Analysis, (Wiley) Interpolation and approximation, numerical differentiation and integral. Vector Analysis - Basic properties of vectors, linear integration, solution of nonlinear equations, error analysis; dependence, scalar and vector fields, directional derivative, granumerical methods in linear algebra; numerical methods in ordinary differential equations.

\*Engineering XL 122A, Introduction to Linear Control and Sys- verses, Eigenvalues and Eigenvectors, numerical methods. Or-

ment Department

ings - 8 April - 12 June) Prerequisite: Laplace Transform Theory

Texts: Saucedo and Schering, Introduction to Continuous and Digital Control Systems, (Macmillan) diStefano, Stubberud, Williams, Feedback and Control Systems, (Schaum)

This course presents a unified treatment of classical control concepts for continuous and discrete systems. Included as topics are: differential and difference equation theory, Laplace and Z transform theory, the sampling and de-sampling process, stability theory and discrete and continuous design and analysis methods, e.g., root locus, Bode, Nyquist.

\*Engineering XL 191A, Linear Systems Solutions by Transform Methods (4) \$65

Instructor: R. M. McClung, M.S., Head, Development Division No. 3, Aviation Ordnance Department Mon-Wed., 4:30-6:30 p.m., Training Bldg., Rm. 211 (20 meet-

ings, 7 April - 11 June) Prerequisite: High school physics, calculus Texts: Gardner and Barnes, Transients in Linear Systems, Vol. I, (Wiley)

A Syllabus by Aseltine, Transform Methods in Linear System Analysis

ulation and solution of problems involving electrical circuits, dynamic mechanical systems, beam deflections, vibrating strings, and heat transfer phenomena. Transfer functions as used in servo-mechanism analysis are defined. The Fourier transform. Problems involving the frequency analysis of repetitive and non-repetitive functions.

Engineering X 463.10, Engineering Mathematics (4) \$65 Instructor: Stephen M. Lee, M.A., Mathematician, Advanced Technology Division Staff, Propulsion Development Department

Mon-Wed., 4:30-6:30 p.m., Training Bldg., Rm. 107 (20 meetings, 7 April - 11 June) Prerequisite: Differential and integral calculus, analytic

geometry, college algebra, consent of instructor Text: Kreyszig, Advanced Engineering Mathematics, 2nd ed., 1968, (Wiley)

tion Branch, Assessment Division, Systems Develop- The course will encompass four areas: Fourier series, vector analysis, matrices, and ordinary linear differential equations. Content according to these areas will be as follows: Fourier Series - Periodic functions, trigonometric series, representation of functions by Fourier series, even and odd functions, functions with arbitrary periods, half range expansions, the Fourier dient of a scalar field, divergence and curl of a vector field Matrices — Basic properties, determinants, submatrices, rank, singularity, systems of n Linear equations in n unknowns, indinary Linear Differential Equations - Separable equations, Instructor: N. W. Rees, Ph.D., Engineer, Applied Cybernet- exact differential equations, integrating factors, linear first-orics Branch, Assessment Division, Systems Develop- der equations, families of curves, homogeneous linear equations of the second order, constant coefficients, the characteristic Tues-Thurs., 4:30-6:30, Training Bldg., Rm. 107 (20 meet- equation, variation of parameters, applications, numerical meth-

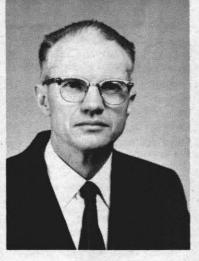
> Engineering X 404.4, Advanced Airbreathing Propulsors (4) \$65 Instructor: A. N. Thomas, Jr., M.S.. Assistant General Manager, Aerospace Products Division, Marquardt Corporation, Van Nuys

Mondays, 7-10 p.m., Training Bldg., Rm. 107 (12 meetings. 31 March - 16 June)

Prerequisite: Aerothermodynamics or consent of instructor Text: To be announced

The analysis and design of advanced airbreathing propulsion systems and subsystems are considered. Included are the design features and performance analysis of inlets, combustors, nozzles, fuel systems, controls, materials and structures. Turbojet, ramjet, scramjet, mass addition and liquid air cycles are analyzed in addition to interesting composites of air-breathing and rocket engines. Future airbreathing propulsion applications to manned and unmanned vehicles operating at supersonic and hypersonic speeds are also studied.

### Course Instructors



R. M. McClung, Instructor for Linear Systems Solutions by Transform Methods.



Stephen M. Lee, Instructor for



John E. Fischer, Instructor for Modern Physics. Research Phy



John J. Zenor, Instructor for Numerical Analysis. Mathema

Other instructors are Neville W. Rees, and Arthur N. ThomTHE LOCKER ROOM

# Is Little League Necessary?



BY ED RANCK

Over the years there have been a few hundred thousand paragraphs written concerning the value of Little League baseball. With the favorable publicity, combined with the overwhelming success of the program there can be little doubt that Little League has taken a place among the more solid institutions in the American way of life.

To put the rap on the Little Leagues is a bit risky. It's like saying that you are against Motherhood and apple pie, or denying the existence of the Easter Bunny. So before we go any farther, I would like to say that I'm all for the program. From a practical standpoint, I would rather see the kids on the field playing ball than out in the parking lot lifting my hubcaps.

This is essentially a good program, but like anything else there are a few pros and cons. Mainly, I think the part that baseball plays in the maturing process of a young and impressionable mind is grossly misunderstood. To understand the value of Little League baseball you have to understand the nature of the sport itself.

#### VERY LITTLE TEAMWORK

One of the prevalent ideas is that baseball teaches sportsmanship and teamwork. However, anyone who has ever played the game seriously will tell you that there is very little teamwork involved. Baseball is primarily a game of individuals aligned in such a way as to give the impression that they are functioning as a team. But nearly every play that is ever made is performed by a player acting independently of his cohorts.

A catcher of course, is necessary if the pitcher is going to do his job. Also the infielders need a first baseman if they are going to complete a play. But this isn't teamwork in the true

Given a reasonable amount of support by his teammates, a pitcher will win or lose in accordance with his ability to pitch. The hitters receive no help at all. Once in the batter's box the hitter has to rely on his own strength and reflexes. All of the teamwork in the world won't move the hitter to first base.

As for sportsmanship, baseball is probably the only sport in the world where bending and breaking the rules is encouraged. It doesn't necessarily happen at the Little League level, but it's part of the game. The spitball is a good example. It's a great pitch providing you don't get caught. Violating the rules of baseball is an acceptable practice. It's known as "getting the edge" on the other guy.

Umpire baiting and riding the opposing players is also part of the game. This does happen at the Little League level. For instance, if you can't beat the other guy on the field, the next best thing is to sit in the dugout and give him a hard time. If the opposing pitcher is hitting the corners, then you get on the umpire, hoping that he will call the next close one in your favor. When you consider that the parents in the stands are usually the most vocal riders and umpire baiters, it's hard to believe that the kids are learning much about good sportsman-

Therefore, if you want your kid to learn about teamwork and sportsmanship, forget about baseball. For teamwork, have him try football, basketball or volleyball. For sportsmanship, get him to take up tennis, bowling or golf.

#### LESSONS OF LIFE

Despite the obvious defects of the game, there is a lot to be said on behalf of Little League baseball. As a matter of fact, I would think that it is the one game that every kid in the country should be exposed to. Although it may sound a bit melodramatic, I would think that baseball is the only sport in the world that is played along the general lines of life itself.

In baseball a kid finds out what it is like to stand alone. With the bases loaded and the fans yelling in the stands he goes up to the plate to hit despite the fact that there are a few thousand other places where he would like to be. Success in baseball builds a kids confidence in his own ability to stand alone and succeed. Failure will teach him that no matter how good you are you can't win them all.

Whether he wins or loses he has learned to stand up for himself, probably for the first time in his life. He has learned to accept a challenge without copping out. At times he will have to take some abuse from the opposing dugout, especially if he is a better than average player, but if he can take it he will benefit from the experience.

So although Little League isn't really necessary, it certainly is worthwhile. In its own way baseball can teach a kid more than all the other sports combined.

### **Volleyball League Lists Standings**

	ST	ANI	DINGS			
	W	L		W	1	
Rinkydinks	14	1	Mammonites	6	9	23
Ace TV	13	2	Redbirds	6	9	
Saints	12	3	BB Stackers	5	10	
Snorts	11	4	Vampires	1	14	
FP-M's	7	8	Hospital	0	15	
NEXT	WE	EK"	S SCHEDULE			
	1	Apri	1 1			5
Anm -Pedh	irde	We	Vampires Mar	mm	on.	

ites vs. Hospital.
7 p.m.—Rinkydinks vs. Snorts, BB Stack-8 p.m.-FP-M's vs. Ace TV. 6 p.m.-Saints vs. Hospital, Ace TV vs.

7 p.m.—Redbirds vs. BB Stackers, FP-M's

8 p.m.-Mammonites vs. Snorts

### **Edwards Wings** Capture MDISL **Bowling Honor**

The Edwards Air Force Base Wings won out over a field of seven teams at the China Lake Bowl last weekend to retain their MDISL bowling championship. It was the third win in a row for the Edwards team, moving them into a tie for first place with Nellis AFB in the MDISL standings. Edwards posted a team score of 6810 for the team event while Nellis finished second with 6741. China Lake was third, finishing with a score of 6690.

The Wings came from far off the pace to win it, catching the Nellis team late in the sixth and final game. Five of the seven teams made a serious bid for the title, and only 10 pins separated the top three teams go-ing into the final game. In the end Edwards lead off man Neil Brack made the difference, hitting a 269 as the Wings finished with a 1046

Nellis jumped off to an early lead as all-events winner Paul Green led the way in the first three games with a 674. Norton AFB was second at the end of three with a total of 3348, 78 pins off the pace. 29 Palms was the next team to challenge, rolling a 1023 in the fourth game to edge to within 53 pins of the leaders.

Edwards and China Lake made their bid in game num-ber five. While the Nellis team was hitting an 864, Edwards rolled a 919 to pull to within 6 pins. With Earl Roby and Ken Dalpiaz finishing with 243 and 234 respectivly, China Lake hit 1026 to move into third. It was all Edwards in the sixth game however, as Brack rolled a 269, Dick Talarico and 213 and Oscar Cobos

In the singles competition on Sunday, Jerry Stuth of Norton led the way with 647 while the team of Eddie Johnson and C:B. Hall from George, won the doubles with a combined score of 1238. Paul Green won the all-events title with 2508, averaging 209 over the 12 game span.



EDWARDS AFB BOWLING TEAM — Winners of the twoday MDISL Bowling tournament held March 22 and 23 at the China Lake Bowl are pictured here in front of their trophies. The keglers are, I-r, Dick Talarico, Barry Compston, Paul Mimms, Gabe Imer (China Lake Special Services Director), Barney Mashburn, Neil Brack, and Oscar Cobos.

### **NWC Team Moves Away From** Contenders in Premier League

lead in several weeks as acmoved into the final weeks. The Navy team pulled away by two and one-half games over Blue Bird Taxi Monday evening, as the league entered the final month of competi-

Earl Roby led the individrolling a 255-618. Chuck Algame for 'the week with a led a 200. 256 while Jack Lindsey had In the Thursday Trio, 246 and Bobby Lockwood hit Myrtle Snyder was tops with 225. Other high individual 215-548 while Sherry Rae was 219; Ed Donohue and Thad Brightwell each at 211; Jim Peck 209-201 and Maury Cole-

In the Women's Scratch League, Alice Cutsinger led said: "No, but I ke the way with 558 while Patin the refrigerator!"

NWC established the biggest ty Maxwell had high game, ad in several weeks as action in the Premier League Also among the leaders were Sue Haack 526; Salley Stephenson 519; Dottie Klant 519; Charlotte DeMarco 512; Maggie Branson 504; Dotty Duncan 504 and Willie Johnson 501.

In the Women's Handicap, Willie Johnson rolled the high single game for the woual scoring in the Premier, men, hitting 235. Liz Furstenberg had high series with bright had second high series 525. Marlene rolled the highwith 224 - 216 and 616. Benny est game of her bowling care-Whiteside rolled the high er, 203, while Marie Peck rol-

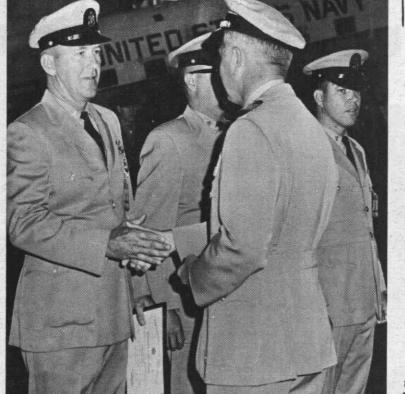
games included Dick Zinke next with 202-517. Wanda Magers also broke the 500 mark hitting 512.

> When asked if his sports car was air conditioned, the Texan said: "No, but I keep a couple



HAPPY WINNERS — Two trophy winners from each of the five flights in the first annual Dewing Spring Classic Golf Tournament, held March 20, 21, and 22, hold their trophies at the end of the event. The 54hole event was played in beautiful spring weather, with 50 golfers from NAF competing for prizes. Seen left to right, and the trophies they won, are: 1st row, AMHAN Greg Smith, runner-up in the Fourth Flight; AE2 Ken McRoberts, Third Flight runnerup; ATC Dick Bauer, second place finisher

in the tournament; AMH Gene Boyts, who finished second in the First Flight, and AN Mike Clearman, runner-up Second Flight. In the second row, I-r, are: AO2 Mike Tosti, winner of the Fourth Flight; PRI Ed Ault, Third Flight champion; AN Mike Hines, overall winner of the tournament; Cdr. Don Eden, First Flight winner, and AT3 Russ Dorn, victor in the Second Flight. There was a buffet for the players immediately after the tournament, which was highlighted by the awards presentation.



Friday, March 28, 1969

PRESENTS AWARD — Capt. L. A. Dewing, Commanding officer of NAF, presents an Accident Prevention Commendation to the Target Department of NAF in recognition of their excellent record achieved in performing their duties without a lost-time accident during the 12 consecutive month period ending November 18, 1968. Cdr. F. W. Bustard accepts the award.

### **Fantastic Natural Wildflower** Show Expected in Local Area

Kern County wild flowers staged the season's brightest show of color over the week end to the delight of hundreds of sightseers, the Kern County Board of Trade reported this

Most of the displays are in the upper elevations, according to Board of Trade scouts, who report heavy rains have triggered a color quilt of blues, golds and orange.

The most brilliant displays of wild flowers in memory are expected by Easter in the Kern River Valley and the route via Walker Pass. Within the next two weeks, a profusion of color lso is expected up Kern River Canyon, western portal to Kern River Valley.

Kern's high desert in the Mojave area anticipates glowing spreads of color, but the main show is still a week or two off. One of the best desert displays traditionally is found along Backus Road at Mt. Soledad south of Mojave. Other outstanding displays in east Kern usually appear at Red Rock Canyon, Jawbone Canyon and the hills above Cinco off Highway 14 and on Backus

#### Chaparral Has Gents The "Gents" will be featured

at Club Chaparral this Friday, dancing or just listening.

man Night) on Saturday, March 29, with Winstrup Oleson and his group starts at 8 p.m. Tickets may be obtained by contacting Mike Weinberg or Joe Sheets at Ext. 72274.

Frothy-topped Joshua trees, with head - sized blossoms, are expected to start blooming within the next 10 days or so. Forests of the blooming Sentinels of the Desert are found in the Walker Pass area, along Highway 58 in Cameron Canyon and in the Mojave Desert. The giant Joshua blooms are perennial favorites of shutter buffs.

Among the outstanding Auditor To wild-flower areas in the county are: Along Highway 58 leading east to Tehachapi and beyond to Mojave along Highway 14 going north to Ridgecrest; the high desert in east- Tax Board will be here to asern Kern County; Jawbone sist taxpayers and answer ques-Canyon; Callente and Walker tions concerning their 1968 Basin; Blackwell's Corner and State personal income tax on Bitterwater Valley off High-

Inquiries regarding wild flowers sites are coming to the Board of Trade at its tourist information center from throughout California, manager James Radoumis reports. He advises wild flowers may not be picked except for scientific or educational use and then only by permission from the county agricultural com-

March 28, to provide music for The "Beirstube Party" (Ger-

20 th ANNIVERSARY

# New Timekeeping Procedures Unveiled

ATTENDANCE/ABSENCE								LABOR									
REGUL		OV R				ORK		LEAVE	JOB ORDER NO.	LCC		ABOR	BOR CODES				
IN	OUT	IN	OUT	ST	OT	BONUS	AL	SL	CMP	- 4		(PW)	00	10			_
200					- U						209561.005		7				
						5 30	13	10			202191		16	2			
				8		P. M.		es.			702103.123		4		13		
-112		1630	1830	8	2	A STATE			14		342199.004		8	18			AT E.
0730	1130	A/L-4		4		Territor I	4									1	
730	333	S/L-1		7			1	1		86						-5	MI
Travel	CONTRACTOR OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO		. 45	8		11/16		12									
		# T 10				7714											
RTIFICATION:		AND ABSENCES	TOTAL	35	2		91	02	03					//			

NEW TIMECARDS — This is a sample of the new timecards that have been recently introduced into the payroll system. It is a

time card as an input. The new card incorporates pre-printed info thereby elimina-

timekeeping procedures went into effect on Sunday, March

The new payroll system is based on one designed in 1966 by a group at NWC, Corona (then the Naval Ordnance Laboratory). Principally, the system was designed to pay employees by entering punched data from timecards into a computer and receive an output of up-dated leave records, a payroll, and labor reports.

Monday through Friday last

Following a week's intensive training of timekeeping held at the Training Center to personnel the Center's new up-date NWC timekeeping personnel in the new payroll procedures. John M. Simpson, Head of the Payroll and Labor Distribution Staff, Code 1764, was the instructor.

> One outstanding improvein the system is elimination the time-consuming chore of filling in the daily time for people who worked their normal schedule. This has been accomplished by inserting the fixed "tour of duty" as a part of the timecard heading.

A number of possible timecard designs were investigated for meeting the complex re-

quirements in a simplified but versatile manner, and it is considered that the new system will meet these demands with a single timecard instead of

the two types used previously.
In addition to being greatly simplified, from the standpoint of the timekeeper, the rent information to the employee on leave earned, leave taken during the period and the total of accrued leave. "Use-or-lose" leave will also be indicated, based on a projected accrual of leave.

Timekeepers with auestions should contact John Simpson at Extension 71367 or 72656



VISIT ON CENTER — A contingent of students from CalTech and Pasadena City College arrived on the Center Tuesday,

ties. The group was here under the auspices of Rotary Club, and were hosted by Mr. and Mrs. Edward Cornelison, district Rotarians.

# Tax Board Sends **Assist Payers**

An auditor of the Franchise April 8 only.

The Board has set up a temporary office at the China Lake Naval Ordnance Training Center in China Lake to provide help to taxpayers who are having difficulty and need expert guidance in preparing their return, according to Executive Officer Martin Huff.

There have been a number of changes this year, including a revision in filing requirements, Huff said. Individuals whose adjusted gross income exceeded \$3,250 and married couples with more than \$6,500 combined adjusted gross income must file and pay the full tax by April 15, 1969.

The Board representative will be there to assist taxpayers only and cannot accept cash in payment of the tax liability. Taxpayers who intend to submit their payment at the temporary office should offer a personal check or obtain a money order.



LCDR. DALE W. LYNCH -Reporting aboard the Center from his last duty assignment with CVW-17 Carrier Air Wing, USS Forrestal, is LCdr. Dale W. Lynch, new Aircraft Maintenance Officer with VX-5. LCdr. Lynch attended Old Dominion College in Norfolk, Virginia. He entered the Navy in March, 1942, and was commissioned in 1956. He attended USNTS Radio School at the University of Idaho. LCdr. Lynch claims Cape Coral, Florida as his home town. Lynch, his wife Pat, and two children, Sandra Lee, 21, and Dale William, 20, reside at 702-A Essex on the Center.

# Code-A-Phone

As previously announced in the Rocketeer, Special Services has inaugurated a new telephone service for providing the latest special information on recreational events in the Indian Wells Valley.

Called Code-a-Phone, the service brings information on movies, sporting events, athletic contests, etc., as close as your

All times, dates and titles of these activities are continually updated with this new system. Simply dial 72411 and a recorded message will give you information on the latest movie feature. hobby and craft items currently underway, and news of other recreation events.

### Bluejacket

(Continued from Page 1) discount certificates from many

other Bakersfield merchants. During his ten years with the Navy, Pearson has received two Navy Unit Commendations: two Navy Good Conduct Medals; the Army Conduct Medal: three National Defense Ribbons; Armed Forces Expedititionary Medals; Republic of Vietnam Campaign Ribbon, and five Vietnam Service Medals.

# Laws Railroad Museum Features

ROCKETEER

# NARRIW - GAGE History

## Bishop Society Preserve Memory Of Historic Owens Valley Train

Narrow-gage railroads that helped win the West and develop Owens Valley and eastern Sierra region have a romance all their own.

One in particular, the Carson & Colorado, starting at Mound House, Nevada, in 1883, ran 300 miles south to Keeler, California. At one time this railroad was the only means of transportation for the important mining industry, Wells Fargo Express and the U.S. Mail. Mound House was the northern junction point accomodating traffic from the flourishing Virginia City and Carson City.

The train, affectionately named "Slim Princess," was the pride and joy of the line and, though seldom running on time, carried ranchers, miners, bankers, soldiers, and just people wanting to ride a train.

Headed by "Old No. 9," a ten-wheel Baldwin - built locomotive, "Slim Princess" rambled and whistled through the years in California and Nevada deserts until April 30, 1960, when her historic service came to an end at Laws Station, four miles east of Bishop.

Later "Slim Princess," then owned by Southern Pacific, was gift-deeded along with related equipment, the Laws station building and tree-ladened acreage to the City of Bishop and Inyo County.

#### For Future Generations

Three years ago the Bishop Museum and Historical Society opened the Laws Railroad Museum 83 years after the first narrow-gage train arrived at Laws Station from the North. Here the "Slim Princess" stands for future generations to view and enjoy. The only thing missing is the steam that once curled from the engine's valves and couplings.

Frank A. Roush is retained



custodian and tour guide. Fortunately for the Museum, Roush has a railroad background and readily obliges the thousands of yearly visitors (especially the youngsters) with answers to such questions as "Is that really a cowcatcher?" and "Where did they keep the coal?"

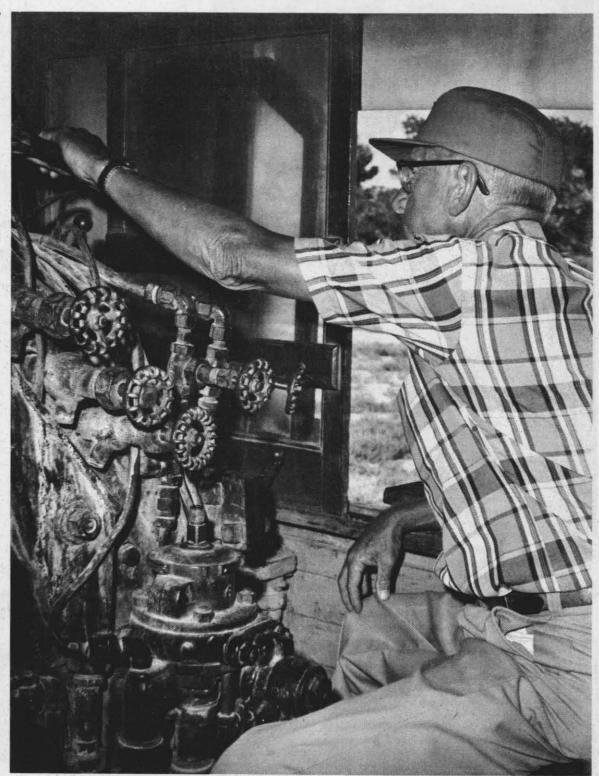
"So far as we know," commented Roush, "this is the only museum with a complete train and the original station building on display."

building on display."

Included in the 12-acre complex of the Laws Railroad Museum is the original turntable built in 1883, water tower, pump house, loading bunkers and former station agents' fiveroom residence furnished in the mode of the 80s.

Paramount Pictures used the Laws location to film the Steve McQueen movie, "Nevada

Continued on Page 5)



FRANK ROUSH advances throttle of the Slim Princess locomotive, "Old No. 9", to show how controls are handled. Roush, a former railroad man, tells Museum visitors

how an engine operates as part of daily walking tours he conducts through the railroad lot. The engine stands with a string of cars on the original 36-inch track.



STATION AGENTS' KITCHEN authentically furnished in the 1880s mode features an old-fashioned wood burning range and

water pump (on sink at left). Kitchen is in early five-room home of resident station agents' in the Laws Railroad Museum.



EARLY VINTAGE in china and glassware to grace the station agents' table at Laws. Museum volunteers scoured the Valley for early authentic items to equip and furnish the agents' 86-year-old home.



THE SLIM PRINCESS—Last scheduled narrow-gage train to operate in the eastern Sierra region is now retained for future generations to enjoy at the Laws Railroad Museum near Bishop. The Carson & Colorado railroad was

part of vital passenger and freight service between eastern California and western Nevada during the 1880s. Important part of Slim Princess' cargo was ores and minerals consigned to smelters, and produce from Owens Valley. (Continued from Page 4)

Smith," then donated the "set" of western-type buildings to the Museum. These buildings now house period exhibits and are a permanent part of the Museum's Western Town Street, much to the delight of camera-fan visitors.

#### Ten-Day Open House

The Museum's annual 10-day open house is March 28 through Easter Sunday, April 6, according to Lois C. Cleman, president of the Society, who said the new Art Center and the late W. A. Chalfant library will again be open to visitors from 10 a.m. to 4 p.m. daily.



Layout and Story by Frederick L. Richards



NOSTALGIC MEMORIES return to custodian Frank Roush as he climbs into the cab of the Slim Princess locomotive at the Laws Railroad Museum. "Old No. 9" delights early railroad hobbyists, historians and thousands of tourists each year since Museum opened.



THE DEPOT at the Laws Railroad Museum is focal point of the Museum buildings. Built in 1883, it houses original Station Agent office, Waiting Room, Baggage Room and a freight shed, all in good repair.



MASTERPIECE OF RESTORATION is the old residence of station agents at Laws Railroad Museum. Parlor and dining room shown here are two of five rooms completely renovated and furnished in 1880 style.