

## Kick-Off Meet For Spring Festival Wednesday Night

Plans for the annual Indian Wells Valley Spring Festival will be discussed Wednesday, April 10, at 7:30 at the Knights of Columbus hall on Ridgcrest Blvd.

The carnival will be furnished by SJM Fiesta Shows. A representative will be present at the meeting to supply interested organizations with information on ride equipment and other attractions.

All clubs of the Indian Wells Valley have the opportunity of participating in the festival by operating food or game booths along the midway. Any organization wishing to participate in the Spring Festival is invited to send a representative to Wednesday's meeting.

## Ballroom Dance Course Starts At Com. Center

The China Lake Dancers Workshop will conduct a ballroom dance course beginning next Tuesday, April 9, at 8 p.m. in the Community Center.

Beginning steps in several popular social dances will be taught, including fox trot, waltz, cha-cha and others, with special emphasis on rhythms, styling and imagination, according to Ken Austerman, Workshop instructor.

"The primary object of this class will be to teach enough of these several dances to allow the students to enjoy themselves during an evening out," Austerman explains.

Social dancing is an addition to the recent Dancers Workshop fare of modern and expressionist dancing. Any further information on the new course is available from Judy Austerman at Ext. 76773.

## SHOWBOAT

FRIDAY APRIL 5  
"THE LONG DUEL" (115 Min.)  
Yul Brynner, Trevor Howard  
7:30 P.M.

(Adventure) All the action, color and intrigue of India burst forth on the big screen as Yul leads his band in opposition to the British forces. Here are mortal enemies by status, but with common interest. Gunga Din!  
"Short: 'Please, Not When I'm Putting' (9 Min.)"

SATURDAY APRIL 6  
—MATINEE—  
"TARZAN'S HIDDEN JUNGLE" (73 Min.)  
Gordon Scott  
1:00 P.M.  
Shorts: "Inferior Decorator" (7 Min.)  
"Manhunt" No. 6 (13 Min.)

—EVENING—  
"NOT WITH MY WIFE YOU DON'T" (119 Min.)  
Tony Curtis, Virni Lisi  
7:30 P.M.

(Comedy) Laugh away at the Air Force aide, bucking for a promotion, who meets a buddy who stole his girl friend and married her 12 years ago! Sexy Virna, frustrated Tony! (Adult, Mature Youth.)

SUNDAY-MONDAY APRIL 7-8  
"THE WICKED DREAMS OF PAULA SCHULTZ" (113 Min.)  
Elke Sommer, Bob Crane  
7:30 P.M.

(Comedy) Elke's a champion athlete in East Germany who decides to defect when she is made to wear drab athletic clothes. Werner (Commandant) has to get her back, but Bob (Hogan's Heroes) decides differently. It's a wild, wacky farce with delectable Elke leading them all a merry chase. Spicy! (Adult, Mature Youth.)  
Short: "Nudnik on the Beach" (7 Min.)

TUESDAY-WEDNESDAY APRIL 9-10  
"BILLION DOLLAR BRAIN" (108 Min.)  
Michael Caine, Karl Malden, Ed Begley  
7:30 P.M.

No synopsis available.  
Short: "Prefabricated Pink" (7 Min.)

SPECIAL MATINEES ON WEDNESDAY 1:00 P.M.  
Walt Disney's "LIVING DESERT" (16 mm.)

THURSDAY-FRIDAY APRIL 11-12  
"BESERK" (95 Min.)  
Joan Crawford, Ty Hardin, Diana Dors  
7:30 P.M.

(Mystery Drama) Murder in a small traveling circus! Ty replaces a high wire walker where doggers substitute for the safety net. Even Scotland Yard is hard put to find the killer in this exciting who-dunnit. Is it pretty Diana? (Adult.)  
Shorts: "Pink Fingers" (7 Min.)  
(Pink Panther)  
"Precision" (10 Min.)

Each Polaris submarine has two complete crews, called Blue and Gold. The crews alternate on patrols, providing maximum on-station time.

## ...And A New Bonnet Too



PRINT-OF-THE-MONTH by PH-1 Gerald W. Burgess of VX-5 shows the personal attention to detail in his "Easter Bouquet," a portrait of his 4-year-old daughter, Donna Lea. Taken with a Mamiya C-3, 105mm lens, f:4.5 and using Kodak Tri-X film, 1/25 at f:8. Burgess used four lights to achieve this unusual effect on his delightful subject.

## Cadets Inspected At Corona Labs By Capt. Lockwood

The Sea Cadet Division, sponsored by the Corona - Riverside Council of the Navy League, had their annual inspection at Naval Weapons Center Corona Laboratories recently. Inspecting officer was Capt. Ralph Lockwood, USN (Ret.) of San Diego.

Captain Lockwood, former Commanding Officer of the Naval Training Station in San Diego, is presently associated with Scripps Institution of Oceanography, University of California at San Diego. He is assistant to Adm. R. E. Libby, 11th Region Sea Cadet Director.

The inspection, part of the nation-wide Sea Cadet program to sustain the high standards of the youth organization, was conducted in true military style.

Following the ceremony, visitors were entertained by the Cadets and refreshments were provided by Cadet family members.

## Welcome Aboard



WELCOME ABOARD to Ensign William Logan Johnson III and his wife Martha Sue. Johnson entered the service in April last year and received his BA at Florida State University. Coming to NWC from Pensacola, Florida, Johnson now works at NAF as Communications and Security Officer.

## PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

project engineers by the Sidewinder Chaparral Program Manager. The senior project engineers are responsible for various aspects of the Sidewinder Chaparral program such as the guidance control groups, missile components, auxiliary equipment, support functions, etc.

**Mechanical Engineer (Applied Mechanics), GS-830-11, PD No. 655086, Code 5566** — Incumbent is assigned the more complex problems requiring considerable judgment in making sound engineering decisions and compromises. Makes solutions of special unique weapon container problems and determines the required cushioning to protect the item. Performs applications of new materials to weapon container, provides liaison and technical consultation with contractors, engineers, and scientists.

**General Engineer, GS-801-12 (two vacancies), PD No. 655014, Code 5573** — Incumbent will be responsible for the production, performance, technical correctness and evaluation of the complete Rocketry II Weapons Systems assigned to the Division in the Engineering Department. He will ensure the technical correctness by continuous and conscientious review and up-grading of the documentation, specifications, etc. Incumbent will also evaluate the kind and extent of testing and analysis to prove out proposed changes. The incumbent is required to have extensive background and training in general weapons systems development, analysis, evaluation, proofing, production, operational introduction, and management.

**Mechanical Engineer, GS-830-12, PD No. 755012-1, Code 5563** — This position is located in the Freefall Weapons Branch, Fleet Engineering Division, Engineering Department. The Branch is engaged in project engineering on several non-nuclear freefall weapons and nuclear weapon training shapes. The incumbent is the Project Engineer on the Rocketry II program. Additional responsibilities include Weteye, Brighteye, Fireye, FAX, and HTW, but are not limited to these programs. Minimum requirements include a Bachelor of Science Degree in Engineering and/or a general physics background.

**Electronics Mechanic, JD No. 185-15, WB-12, Code 5515** — Position is located in the Quality Engineering Division, Engineering Department. Incumbent constructs, modifies, tests, and repairs electronic devices used in the testing and development of guided missiles and associated equipment. Incumbent must have a broad understanding of electronic fundamentals, servo systems, heat and light sensitive devices, semi-conductors, printed circuits, timing circuits, amplifiers, oscillators, power supplies, meters, recorders, oscilloscopes, coil winding equipment and counters, temperature test chambers, vacuum impregnators, and basic plotting compounds and procedures. Qualifications: Must satisfactorily meet the Job Element requirements as defined by Announcement No. PD-703 dated Feb. 7, 1967.

**Supervisory Budget Analyst, GS-560-13, PD No. 517036, Code 1732** — The incumbent of this position is the Head of the General Analysis Staff in the Programs and Budget Staff. The incumbent is responsible for compilation and technical accuracy of local and off-center budgetary reports; planning, conducting, reviewing and presenting special studies and analyses for both on and off-center management; and development, installation and administration in collaboration with the Accounting Division of a viable financial cost collection and reporting system for supporting bureaus and agencies as well as top management and operating departments of the Center. All applicants must have had six years of extensive and significant administrative experience which has provided a thorough knowledge of methods of supervision, administration and management. At least three years of experience must have involved budget preparation.

**File application for above with Sue Prasolowicz, Bldg. 34, Rm. 26, Phone 71577.**  
**Secretary (Typing), GS-518-5, Code 707, PD No. 770018** — The incumbent is secretary for the Head, Transportation Division, Public Works Department. She serves as receptionist for the Division Head, receives telephone calls and personal callers, determines those which might be handled by subordinates or another office and refers them as appropriate. The incumbent schedules conferences with other division and department heads, and staff and shop supervisors; screens all incoming mail, maintains all ready reference files for the Division; types PARS, Cover Sheets, Security Forms, Shop Changes, PD's and JD's; prepares disciplinary actions and renewal of courier passes; utilizes her knowledge of assignments of transportation equipment to prepare and secure material for preparation of annual report for replacement requirements for transportation equipment, etc.  
**File applications with Dora Childers, Code 657, Rm. 32, Phone 71393.**

## Blue Cross Ins. Agent At Community Center

Norman R. Smith, Blue Cross - Blue Shield (Service Benefit Plan) representative from Bakersfield, will be aboard the Center on Wednesday, April 10, at the Community Center from 9 a.m. to 4 p.m., according to T. J. Haycock, Head, Employee-Management Relations.



# ROCKETEER

Vol. XXII, No. 14      Naval Weapons Center, China Lake, California      Fri., April 5, 1968

## Hydraulic Lathe Gives Power To R&D Art of Metal Spinning

### 'Hydrospin' Lathe Increases Range Of Work, Stock

Not all industrial - type metalworking jobs are automated these days — or can be, especially in most parts of the Michelson Laboratory Machine Shop, where so much "first-of-its-kind" work is done.

Among many of the highly demanding metalworking skills that are expanded and made easier by the latest in machinery is metal spinning.

This January, the Engineering Department's Shop Branch installed a \$33,000 - plus hydraulic metal spinning lathe, which is expected to not only save time and money on research and development jobs, but also extend the range of the skilled operator to new kinds of work.

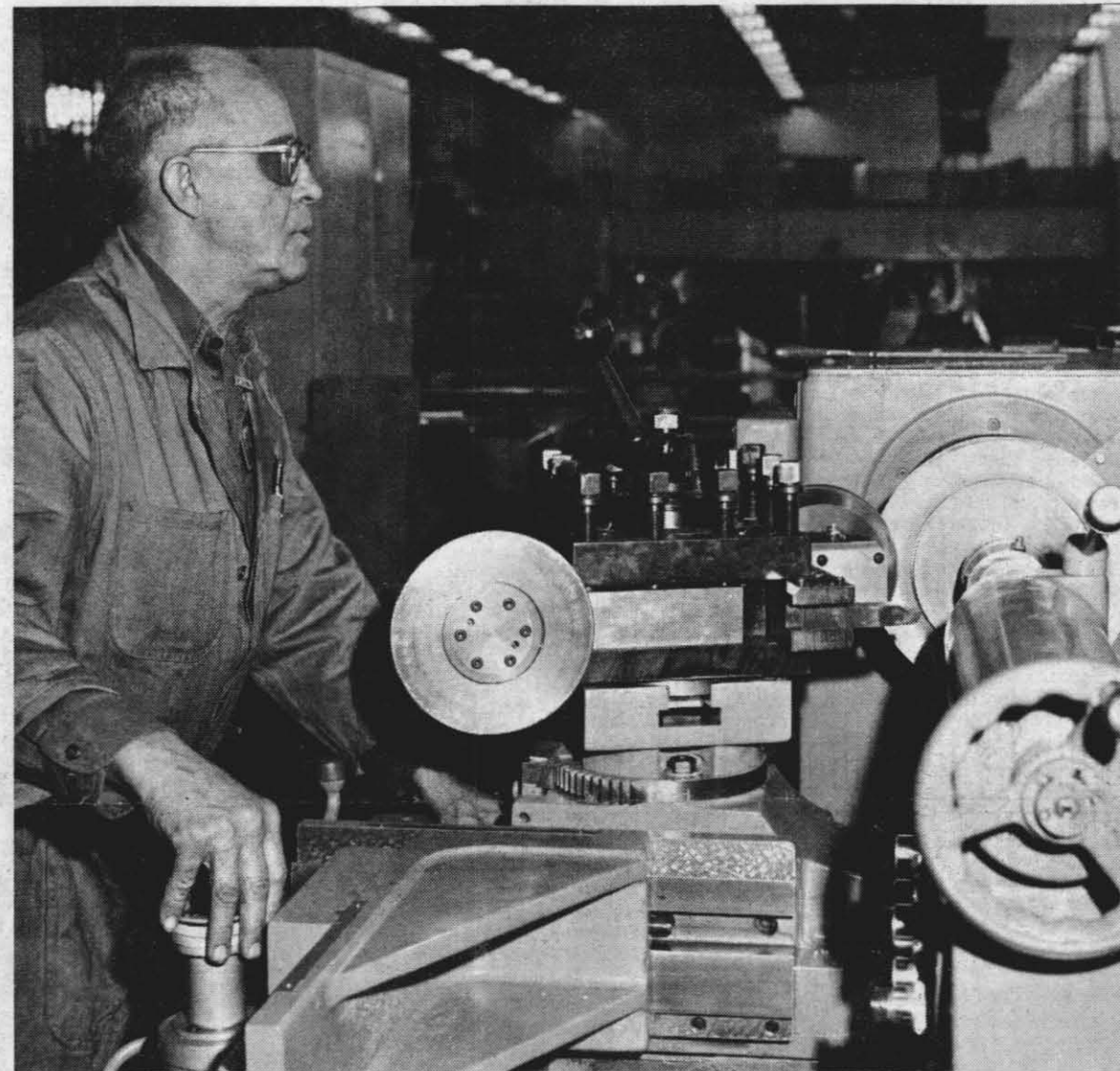
Metal spinning involves forming a piece of flat or pre-formed stock over a solid form, or "mandril," by working it with a steel tool while it is spinning on a lathe. Small R&D jobs of 20 or 30 pieces can be done quickest and most economically this way, according to C. L. "Red" Ingle, foreman of the Shop Branch sheet metal unit.

"We've always had considerable spinning work to do here," he says. "Now, as far as both value and quantity are concerned, we can turn out even better work, and do new types of jobs with heavier gauge stock."

The machine is a Cincinnati "Hydrospin." Before, the worker had to do the forming with heavy iron, wood - clad bars, tooled into various shapes at one end for particular types of forming. This restricted the gauge of stock to be worked, and limited the degree to which the stock could be lengthened on the mandril ("Shear spinning").

The new lathe uses a turret mounted, disc-like tool, driven by one longitudinally mounted and one laterally mounted hydraulic cylinder. The operator merely moves a valve handle for each cylinder, to drive the tool against the work. Templates mounted on the side of the machine direct the path of the tooling disc on its final path across the work.

"All our spinning work has been done by hand," says Ingle, "but the capability of the man — that's the big item. "Spinning is almost like a trade of its own — almost like



**ARTISTRY, WITH POWER SUPPORT** — Pat Pakkama spins a piece of flat aluminum stock into a cup on the Michelson Lab Machine Shop's new Hydrospin hydraulic metal spinning lathe. A hydraulic pump and two hydraulic cylinders provide the muscle; Pat provides the artist's touch. Here,

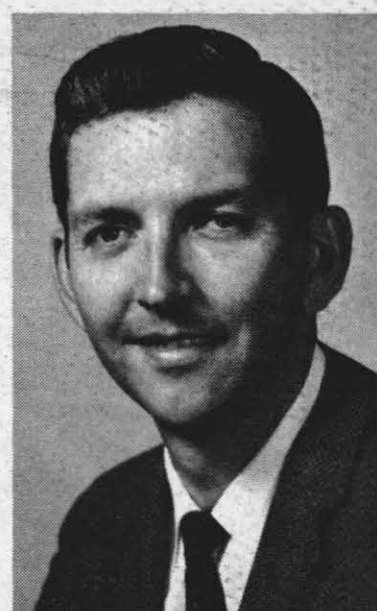
the turret and spinning disc-like tool are moving away from camera, across the work, in response to command from Pat's right hand on longitudinal cylinder valve control. Hydraulic power allows heavier stock to be used; more kinds of jobs to be done.  
—Photo by PH-1 Philip H. Beard

a profession," he points out. "With this new machine, we can train a new man for a day or two, and he can do simple work from then on. This would let us continue a job if one man is absent."

The top man in the Machine Shop in metal spinning these days is Pat Pakkama, a sheet and plate model maker. He has 26 years of metal spinning experience behind him, since he began the work in the Bremerton Shipyard in 1942.

"I can do mostly all of the kinds of jobs needed by hand except the heavy material and the sheer spinning," he says. "I spent plenty of sweat on some of them—don't think I didn't!"

He says that with the new hydraulic controls, he can work longer and steadier, whereas before, he began to tire and slow down after about an hour's steady working. He is now training a journeyman metal worker in his spinning craft.



RAYMOND J. MARSH

## Raymond J. Marsh Picked College's Admin. Assistant

Coordination of occupational education programs for the Bakersfield College desert campus and the community will be one of the primary roles of the newly - appointed Administrative Assistant of the Desert Division, Raymond J. Marsh.

The appointment was announced this week by Richard A. Jones, dean of the Desert Division. It was approved by the Board of Trustees of the Kern County Joint Junior College District, and will become effective in August.

Marsh is an assistant professor of life science, and is now director of instructional materials and a counselor at the desert campus. He has also been employed as a consultant to the NWC Personnel Department in junior college vocational-technical recruitment.

In his capacity as Administrative Assistant at the College

(Continued on Page 4)

## Scientists Visit NWC Corona Labs To Exchange Notes

Forty - two scientists from industrial, educational, and governmental agencies gathered yesterday at the Naval Weapons Center Corona Laboratories to exchange information on Long Radio Wave Propagation.

The informal "working group" gathers about three times per year for such discussions. The last meeting was at the University of Wisconsin.

"Long Wave" covers considerably more than the popular VLF (very low frequency) transmission frequencies in wide use today. The more general term refers to frequencies from about one kilohertz to 100 kilohertz.

Attendees represent such widely divergent organizations as Westinghouse, Stanford Research Institute, Naval Electronics Laboratory Center, Air Force Research Laboratory, Sylvania, Defence Research Telecommunications Establishment of Ottawa, Canada, and Astrophysics Research Corp. of Corvallis.

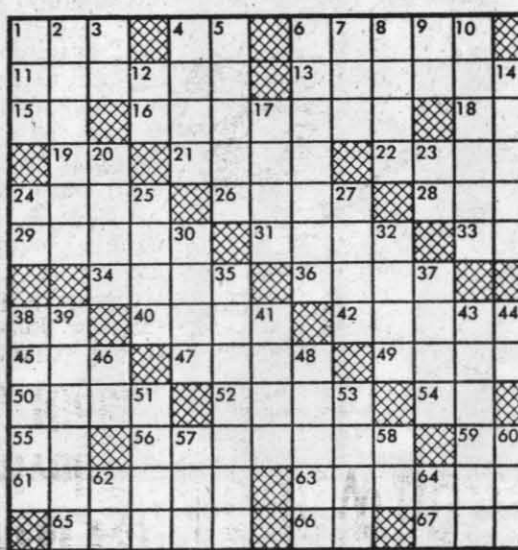
Verne Hildebrand was host to the group. He was assisted by Fred Essig and Marion Hinchshaw at the Corona Laboratories.

## CROSSWORD PUZZLE

Answer to Previous Puzzle

- ACROSS**
- 1-Bitter vetch
  - 4-Conjunction
  - 5-Sedate
  - 11-Lament
  - 13-Experiences
  - 15-College degree (abbr.)
  - 16-Tours
  - 18-Negative
  - 19-Postscript (abbr.)
  - 21-Heavenly body
  - 22-Arabian commander
  - 24-Ward off
  - 26-Wardle
  - 28-Golf mound
  - 29-Worship
  - 31-Roman tyrant
  - 33-Dental surgeon (abbr.)
  - 34-Produced
  - 36-Evaluate
  - 38-Exist
  - 40-Baker's products
  - 42-Ties
  - 45-Beverage
  - 47-Want
  - 49-Center
  - 50-Rage
  - 52-Fall in drops
  - 54-Spanish for "yes"
  - 55-Latin conjunction
  - 56-Yields
  - 59-Brother of Odin
  - 61-Calm
  - 63-Christian festival
  - 58-Sows
  - 56-Quell
  - 57-Girl's name
- DOWN**
- 1-Recede
  - 2-Harvested

**3-Compass point**  
4-Ventilates  
5-Narrow, flat boards  
6-Slacker  
7-Hinder  
8-The cauma  
9-Pronoun  
10-Negated  
12-Near  
14-Painful spots  
17-Conceited  
20-Supercilious person  
23-Mountain  
24-Note of scale  
25-Lull fall  
27-Snatch  
30-Ireland  
32-Pertaining to the ear  
35-Sewing implements  
37-Man's name  
38-Reveals  
39-Puffs up  
41-Withered  
43-Impelled  
44-Compass point  
46-Printer's measure  
48-Eats  
51-Woody plant  
53-Chief god of Memphis  
57-Goal  
58-Steamship (abbr.)  
60-Sea eagle  
62-Note of scale  
64-Symbol for tantalum



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## EDITORIAL

## Presidential Disability

AFTER 180 years of constitutional ambiguity and many years of careful study and research, the problem of Presidential disability and succession has been resolved and defined within the limits of human foresight and planning.

The 25th Amendment to the Constitution of the United States, ratified Feb. 10, 1967, gives the Nation an orderly means of dealing

### 25th AMENDMENT

... where the President is unable to discharge the powers and duties of his office.



with a crisis caused by either permanent or temporary disability of the President.

Section One of the amendment specifically authorizes the Vice President to become President in the event of the death or resignation of the President, rather than assuming only the "powers and duties" of the office.

Although this has been the custom since 1841 when John Tyler succeeded President William Henry Harrison, it was never officially stated in the Constitution.

To further insure that a qualified alternate is always available to assume the responsibilities of the Presidency in the event of crises, Section Two of the amendment gives the President authority to appoint, with the consent of both houses of Congress, a new Vice President whenever that office is vacant. Thus, whenever a Vice President succeeds to the Presidency or dies in office and the office of Vice President is unfilled, the President is assured of being able to fill the office almost immediately rather than waiting until the next national election.

Section Three of the amendment provides a method for the President to temporarily transfer power to the Vice President at any time and to resume that power on his own option. This will allow an exhausted or ill President to gain respite from the burdens of his office.

Disagreements over a President's physical or mental condition and the automatic assumption of his powers and duties by the Vice President under certain conditions are covered by Section Four of the amendment.

Thus, the question of Presidential disability, long a serious problem, has been resolved and the Nation is assured of continuity in the exercise of the powers and duties of our most important office.

## CENTER LIBRARY LISTS NEW BOOKS

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

### Fiction

Blake—Morning After Death.  
Carroll—The Light Here  
Kindled.  
Hailey—Airport.  
Huffaker—Nobody Loves a Drunken Indian.  
Kerr—The Clinic.  
Wallace—Croyd.  
Yerby—Goat Song.  
Adams—The Most Dangerous Profession.  
Caldin—No Man's World.  
Gilbert—The Visitor.  
Gold—Fathers.  
Narayan—The Vendor of Sweets.  
Procter—Rogue Running.  
Sangster—Private I.

### Non-Fiction

Brooks—The Great Leap.  
Davis—The American Negro Reference Book.  
Farmer—1,000 Ideas for English Term Papers.  
Gerson—Light-Horse Harry.  
Gruening—An Alaskan Reader, 1867-1967.  
McKee—The Friendless Sky.  
Mulligan—No Place to Die.  
Pourade—The Rising Tide.  
Williams—Marriage for Beginners.  
Allen—Know Your Car.  
Bodard—The Quicksand War.  
Prelude to Vietnam.  
Encyclopedia of Careers and Vocational Guidance.  
Hallet—Animal Kitabu.  
Mayer—The Lawyers.  
Pike—What Is This Treasure.

## The Rocketeer

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### DEADLINES:

News Stories—Tuesday, 4:30 p.m.  
Photographs—Tuesday, 11:30 a.m.

The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise identified.

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Phones—71354, 71655, 72082



## DIVINE SERVICES

Protestant—(All Faith Chapel)—  
Morning Worship—8:15 and 11 a.m.  
Sunday School—9:30 a.m., Chapel Annex 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located opposite Center Restaurant.

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

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

Confessions—7 to 8:00 p.m. Saturday.

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

Sabbath School—10 a.m. to noon, every first and third Saturday.

Unitarian Fellowship—(Chapel Annex, 95 King Ave.)—Sunday, 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 positions described here are effective from April 5 to April 12, 1968.

**Physicist or Mathematician, GS-13, Code 4535**—As Head of the Analysis Branch of the Quality Assurance Division, the incumbent will be responsible for guiding the branch in the mathematical services for computing and reduction data in the analysis and resolution of engineering problems.

File application for the above with Jan Bixler, Bldg. 34, Rm. 24, Phone 72723.

**Accounting Technician, GS-525-5 or 6, Code 1762**—Maintain and control the Center's official accounting (fund resources) ledgers, serve as liaison and control center for accounting data passing to and from the Data Processing Branch; prepare and submit periodic financial reports and special financial statements and cost accounting analyses; and edit documents to insure accuracy of accounting data. Requires the application of bookkeeping. GS-5, two years general and one specialized. GS-6, two years general and one and one-half years specialized.

**Voucher Examiner, GS-540-3, Code 1765**—Responsible for the examination and computation of public claims and vouchers. Types transportation requests; U.S. Navy meal tickets; checks correspondence, and vouchers computed by voucher examiners of a higher level.

File application for above with Sue Prasolovic, Bldg. 34, Rm. 26, Phone 71577.

**General Engineer, GS-11, 12 or 13, Code 3021**—This position is located in the Range Engineering Section, Development Department. The incumbent directs experimental ordnance testing on several of the Department's ground ranges, plans use of facilities and manpower to accomplish test results. Requires original operational procedures and develops new operational test techniques and safety criteria.

**Peripheral Computer Equipment Operator, GS-3, 4 or 5, Code 3024**—Incumbent will be required to operate equipment such as audio and video magnetic tape recorders, card punch, card sorter, high speed printer and plotter. Incumbent will also set up and maintain a magnetic tape library.

**Qualifications:** GS-3, (six months of general experience); GS-4, (six months of general and six months of specialized experience); GS-5, one year of general and one year of specialized experience. General experience is considered any general office experience, and specialized experience is considered experience in the operation of peripheral computer equipment. The position is located at NWC Randsburg Wash Test Range.

**Electronics Mechanic, WB-12, Code 3024**—Position is located in the Electronic Warfare Branch. Duties consist of: maintaining, modifying and operating radar and/or digital display equipments involved in the operation of the Electronic Warfare Complex at the NWC Randsburg Wash Test Range. **Qualifications:** Must satisfactorily meet the Job Element requirements as defined by Announcement No. FD-7-03 dated Feb. 7, 1967.

**Electrical, Mechanical or General Engineer, GS-9, 11 or 12, Code 3022**—As a project engineer the incumbent will be responsible for test planning and preparation of Experiment Specifications, test coordination, and analysis of test data for various research and development types of field tests of U.S. Military Weapon Systems. A knowledge of field test instrumentation and techniques as well as knowledge and experience in ordnance systems is desired. Incumbent will be required to travel occasionally and will be required to work outside under adverse climatic conditions part of the time.

File application for above with Fawn Haycock, Bldg. 34, Rm. 34, Phone 71514.

**Electronics Technician, GS-556-9, PD No. 855020, Code 5517**—This position is located in the Quality Engineering Division, Engineering Department. The incumbent is engaged primarily in the application of the vibration systems to combined environment testing. Incumbent fabricates, assembles, operates, and calibrates airborne recording systems for the purpose of acquiring engineering data of weapon systems; measures the electro-mechanical response of test hardware during its exposure to engineering tests; employs a variety of electronic instrumentation to initiate, calibrate, and certify the accuracy of the recorded data. The incumbent must have a sound electronic background in the application and use of electronic instrumentation in engineering testing.

**Electronic Engineer (Instrumentation), GS-655-12, PD No. 755112-2, Code 5532**—The incumbent is a senior electronic project engineer in the Systems Electronic Branch, Product Design Division, Engineering Department. The mission of the Systems Electronic Branch is to provide the Engineering Department with design, development, and production engineering capability in electronic support equipment for airborne guided missiles, aircraft systems, and a test and evaluation capability in ordnance radiation hazards and radio frequency interference areas.

**Mechanical Engineer (Instrumentation), GS-650-12 or 11, PD No. 755060, Code 5571**—This position is located in the Sideliner Chaparral Systems Office, Weapons Systems Office, Weapons Systems Management Division, Engineering Department. The incumbent serves as associate project engineer for the Sideliner Chaparral Program Manager. He will be responsible for fulfilling various duties assigned the senior

(Continued on Page 8)

## CHAPLAIN'S MESSAGE

## Making the Most of Life

By Chaplain Irvin H. Thompson



Do you realize how short the span of man's life is? Life is short. We often live as though we are confident of living at least a century. Although we have no promise of tomorrow, we coast along as if life should have no purpose.

The mold of a man's fortune, the shape of his life and destiny, are in his own hands. Therefore the greatest test of a man's character is how he takes charge of his own life.

There is a legend about two weavers that is helpful to many people. The legend is about two young men weaving, each at his own loom. A supply of yarn was placed beside them each morning. One day a little heap of golden threads was there—golden threads of Happiness. They were so small that Ivan did not bother to pick them up, but John wove them carefully into his pattern.

Purple threads of Sorrow came. Ivan added his in harsh places where they glared darkly; but John wove his with sympathy and his weaving glowed like a royal garment.

Disappointment came and black threads of Pain. Ivan shot them into his pattern with bitterness and revolt, but John put his together with patience and courage. Success and Failure each were used as they were accustomed.

One day the Master came to inspect the weaving. "Mine is no good," cried Ivan. "What can be the use of this?"

The master examined John's weaving — a beautiful tapestry of mingled light and shadows, glowing with courage, sympathy and love.

"The same things came to both of you," he said, "and you have used them as you chose. It is not what comes into your life that makes the pattern; it is the use you make of it that counts."

This calls for self-discipline and that is not easy. Self-conquest, as every philosopher from Plato to William James has emphasized, is the greatest victory of all. Time is not standing still for us to mature enough to see the need for making the most of life.



## All Faith Chapel

### PROTESTANT SCHEDULE

April 7—8:15 & 11:00 a.m. Palm Sunday Worship Services  
4:00 p.m. The Protestant and Catholic Combined

Choirs will present "THE SEVEN WORDS OF CHRIST ON THE CROSS" by Heinrich Schuetz

April 10—7:30 p.m. Lenten Worship Service in the East Wing  
April 11—7:30 p.m. MAUNDY THURSDAY COMMUNION SERVICE, Main Chapel

April 12—12 Noon UNION GOOD FRIDAY SERVICES, Main Chapel

April 14—5:30 a.m. Sunrise Services on Chapel Lawn  
6:00-7:30 a.m. Easter Breakfast served in East Wing  
Tickets—75¢ for Adults, 50¢ for Children 6-12, and 25¢ for Children under 6.

8:15 & 11:00 a.m. Easter Sunday Worship Services

### CATHOLIC SCHEDULE

April 7—Palm Sunday Blessing of Palms and Procession  
7:00 a.m., 9:30 a.m., 12:30 p.m.

April 9 & 10—Lenten Mass—11:30 a.m. and 5:00 p.m.  
April 11—Holy Thursday Mass of the Last Supper  
11:30 a.m. and 5:00 p.m.

April 12—Good Friday Solemn Services  
2:30 p.m.

April 13—Holy Saturday Easter Vigil Services  
11:15 p.m.

MIDNIGHT MASS 12:00.  
April 14—Easter Sunday Masses 7:00 a.m., 9:30 a.m., 12:30 p.m.

### JEWISH SCHEDULE

April 12—Community Seder for Passover—East Wing of All Faith Chapel, 6:30 p.m.

April 13—Sabbath School—East Wing, 9-12 a.m.

## Gardening Notes

By Marianne Kistler

With the peak of the annual wildflower season coming up, it seemed appropriate to put aside considerations of gardening tasks for a time and instead to write about the naturally occurring floral display that spreads over the Mojave Desert in the spring.

Writing about what to see, and where, is a rather chancy business, for the occurrence of wildflowers is an evanescent affair; predictions about unusually attractive areas may not be borne out and a particular place where the blossoms are spectacular today may be fading a week from now. However, it did seem as though the wildflower season might be acknowledged by commenting on a few of the kinds of flowers that are all around us, right here in China Lake, or within a few miles of our community.

First of all, we might note that some of our most numerous wildflowers really aren't native plants of this area. For instance, the everyday dandelion, now appearing in local lawns and gardens, isn't even a native of the North American continent. Similarly, the wild mustard that grows as a weed in orchards or other occasionally cultivated areas isn't a native. You can see a lot of these around the local area, though; they have clusters of tiny yellow flowers and grow about a foot high.

From our strictly local point of view, the California poppy isn't a native either and only appears in local gardens — but we don't have to go far to see it growing in a wild state for it blankets the hillsides between Tehachapi and Bakers-

field, in Kern Canyon, and in many other nearby areas.

Around China Lake itself, we are seeing Sand Verbena, a trailing plant with small lavender flowers, and the very prevalent Desert Dandelion which looks more like a yellow or white daisy. The Prince's Plume (yellow spikes) blooms around the Pilot Plant and out North Knox Road near the community. Some of the more dramatic wildflowers are found out on the desert itself, however.

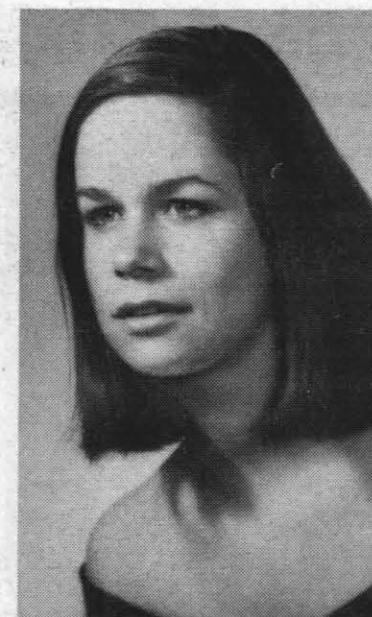
The tallest shrub in the local desert—the Creosote Bush, produces waxy, yellow blossoms. The Desert Candle (sometimes called Squaw Cabbage) can be found in the hills along Highway 395 south of Ridgecrest. The plant produces purple buds — and later white flowers — on a stalk that subsequently dries out to form the familiar "candle" popular in dried floral arrangements.

There are other wildflowers that can be seen without going very far — the fragrant, blue Fiddleneck and Mariposa Lily (orange-red) can be seen at Sheep Springs; the Evening Primrose (white) and Desert or Mojave Aster (lavender with yellow centers) along Highway 14 and towards Red Rock Canyon; and a bit later, the spectacular Joshua Trees (white) and Yucca or Parry Nolina (white spikes) enroute to Lake Isabella.

But there is one thing to remember if you are going to drive out and look for wildflowers: they are to be admired and photographed, but not picked. California law prohibits picking or digging wildflowers.



CAROL LAKE



NANCY PARKER



NANCY ARSENAULT

## Candidates Enter Miss Ridgecrest-China Lake Pageant

By BUDD GOTT

The Miss Ridgecrest-China Lake Pageant can boast of three more entrants striving for the crown of the local contest and hoping for the Miss Kern County crown, according to Jim Poore, pageant coordinator.

The girls, who will compete with Debbie Peters, the pageant's first entry, are Nancy Arsenault, sponsored by the Rotary Club; Carol Lake, sponsored by the Veterans of Foreign Wars, and Lions Club entry, Nancy Parker.

The winner of the local pageant competes for the title of Miss Kern County. Miss Kern County then competes for the title of Miss California at the annual contest held in Santa Cruz.

Nancy Arsenault, "Miss Rotary Club," is a senior at Burroughs High School. The diminutive 18-year-old, green-eyed, copper-haired, 5 ft., 4 in., (33-24-35), entrant aspires to become an elementary teacher of music.

She was born in Trona and has spent her entire 18 years in the Indian Wells Valley. The eldest of 12 children, Miss Arsenault is an accomplished violinist and has appeared with the California Symphonies and the All-California Symphony.

Miss Arsenault has attended music clinics on scholarships at Arrowbear, University of Redlands, and The Academy of the West. She is the daughter of Mr. and Mrs. Arthur J. Arsen-

ault, Jr., 58-A Ringgold St., China Lake.

Carol Lake, "Miss VFW," is also a senior at Burroughs. The slender 17-year-old, hazel-eyed, light brown-haired, 5 ft. 3 in., (32-23-33) Miss Lake plans a career as a dental hygienist.

Born in Portsmouth, Va., Miss Lake has lived in this area for the past year and a half. An accomplished baton twirler, she belongs to the Burroughs High School Majorettes.

She is the daughter of Navy Lt. and Mrs. Oriel Lake, 40-A Hubbard Circle, China Lake. Lieutenant Lake was Commissary Officer at Naval Weapons Center until his recent assignment to the Naval Radio Communications Station in Exmouth, Australia. Miss Lake plans to complete her dental hygiene studies in the States.

Nancy Parker, "Miss Lions Club," is a student at the Desert Division of Bakersfield College. The 19-year-old, blue-green-eyed, brown-haired, 5 ft., 8½ in., (36-25-37) Miss Parker would like to further her education at California State College in Long Beach.

She is a 1967 graduate of Kinnick High School in Yokohama, Japan. She was student council officer and senior prom princess. She appeared in bit parts on television shows in Tokyo and was a student disc jockey for a Corpus Christi, Tex., radio station.

Miss Parker is the daughter of Mr. and Mrs. Robert L. Parker, 38-A Ashworth Place.

## Civil Service

(Continued from Page 4)

unevaluated mechanical or explosive techniques are applied to explosive ordnance.

**Specialized Physical and Performance Testing** — (1) Conducting tests on fire retardant materials when the tests are performed in ventilation restricted rooms where the atmosphere is continuously contaminated by obnoxious odors and smoke

(2) Conducting tests to evaluate the ballistic properties of materials when it involves the preparation of cartridges which necessitate the handling of gunpowder.

Questions concerning any of the above should be directed to Bill Blinkhorn, Head, Wage and Classification Division.

## Bank of America Special Hours For Good Friday

The Naval Weapons Center branch of the Bank of America will hold special hours on Good Friday, April 12. The bank will be open from 11:30 a.m. to 12 noon, closed from 12 noon to 3 p.m., and open again from 3 to 5:30 p.m.

## First Aid Review Set To Meet Wed., Apr. 10

An advanced first aid review class is scheduled to be taught by Dr. Carl Heller from 7 to 9 p.m., Wednesday, April 10 in the Safety building.

To register for the class, call Doctor Heller at Ext. 72832 or after duty hours at his home.



**CELTICS ARE CHAMPS** — In China Lake Youth Basketball League tournament play finished recently, the 10-12 year old Celtics of the Elementary League won the top place trophy behind coaching of Claude Brown

(center). Celtics are (l-r standing) Jim Froehner, Mark Wright, Mike Brown, Dwight Scott, and (front, l-r) Frank Kane, Mark Hayden, Sean Harkness, Jerry Bruce and David School.



## THE LOCKER ROOM

## Armed Forces Weekend

By ED RANCK



During the next few weeks, the city of Anaheim, California is going to sponsor a series of "Armed Forces Weekends." The Armed Forces Weekend concept is an idea conceived by the live-wire Anaheim Chamber of Commerce, and is being conducted by the Anaheim Visitor and Convention Bureau.

To most people in the Southern California area, the next best thing to a three-day weekend in Anaheim is a two-day weekend in Anaheim. But to those of us who live in the outer reaches of civilization in such places as the Indian Wells Valley the prospect of a few days in Orange County can be quite attractive.

As the name implies, the Armed Forces Weekend is restricted to military personnel. It is designed with the family in mind, but we feel that it may be particularly appealing to those who live in the barracks and seldom have a chance to visit the big city. The weekend of April 26-28 has been set aside for the Navy and discount tickets will be available for the following attractions.

Approximately 10,000 tickets will be available for Disneyland. The tickets will be available for both Saturday and Sunday and will include a 12 ride ticket book good for any attraction. The books, which normally sell for \$15 will be priced at \$5. The tickets must be purchased at the China Lake Special Services office, but unused books may be returned to Disneyland for credit.

There will be 10,000 tickets available for the baseball games at Anaheim Stadium. The Angels will host the dreaded Oakland Athletics on Friday and Saturday at 8 p.m.; then play a single game against the A's at 1 p.m. on Sunday. The tickets will be general admission and cost a dollar but may be upgraded to make a down payment on a box seat. These tickets will be available at the Special Services office only, and are not redeemable.

Possibly the most attractive event of the weekend will be drag races which will be held at the Orange County International Raceway. The races are sponsored by the National Hot Rod Association, and the Raceway is at MCAS El Toro just off the Santa Ana Freeway. The races are a one-day affair with qualifying rounds beginning at 1 p.m. on Saturday and the elimination races starting at 8 p.m. Admission will be \$1.50, good for all day, and tickets will be available at the box office. For those who wish to make a return trip to the Raceway on the weekend of March 4-5, the NHRA's Manufacturers Championships will be held at that time. Tickets for the Championships will be \$2.

For music lovers, discount tickets will be available for all weekend performances at Melodyland. Tickets for the Friday night and Sunday matinee performances will be available at the Special Services office at a saving of from one to three dollars.

There are approximately 75 motels in the Anaheim area that are located fairly close to the main attractions of the Armed Forces Weekend. Although discounts are not available, motel reservations may be made through the Special Services office. For those who make the trip a uniform will not be required, however a military ID card will be necessary at places where tickets are being sold at the box office.

The Weekend is available for all active duty and retired military personnel and their families. Tickets, reservations and further information concerning the trip may be obtained by contacting the Special Services office at Ext. 72017.

## Time Changes

Because of the upcoming Easter vacation for school children, the Center gym and swimming pool will have slightly modified hours during Easter week. The gym will be open to all local residents from 1 to 4 p.m. Monday, Tuesday and 3 to 4 p.m. on Wednesday and Thursday.

The gym will be the scene of the 1968 MDISL Volleyball Tournament on Saturday, April 13, but will be available for use on Easter Sunday, starting at 1 p.m.

The Center swimming pool will be open to all China Lake residents during the following hours next week: Monday 1 to 6 p.m.; Wednesday and Friday 1 to 8 p.m.; Saturday 11 a.m. to 5 p.m., and Sunday 1 to 5 p.m.

## Tennis Clinic Set For Tomorrow At Center's Courts

There are still several vacancies available for those who wish to participate in the China Lake Tennis Club's spring tennis clinic which will begin tomorrow at the China Lake tennis courts.

The clinic, which is being conducted here in conjunction with the Lifetime Sports Program, will continue until the end of May.

All those who wish to join the program are requested to contact Joan Bustard at Ext. 723514. The clinic will be conducted on weekends only with the first class scheduled to begin at 9 a.m. tomorrow morning.

## Herbert Tops 700, Downs Cutsinger At Bowling Lanes

Al Hebert has become the latest local bowler to join the expanding 700 club at the China Lake Bowl. Hebert erased Chuck Cutsinger's previous high of 708 set four weeks ago with games of 221-258-236 for a new China Lake Bowl record of 715. Hebert set the new mark while bowling with the Starlite team.

Benny Whiteside, George Bowles and Earl Roby teamed up to help the Boyd's Auto Parts team top the 3,000 mark in team action. Whiteside had games of 203-266-182 for 651; Bowles rolled 222-257-200 for 679, and Roby hit 244-205-202 to finish with 651.

## President's Tourney

The Third Annual President's Golf Tournament will be contested on the local links Saturday, April 27. This 18-hole partners, best - ball competition is held each year in honor of the Past Presidents of the China Lake Golf Association. Entries are presently being accepted at the Pro Shop and will close at 6 p.m., April 24.

## Camping Gear Set For Issue Monday To China Lakers

The doors to one of the Mojave Desert area's most complete hunting, fishing and camping gear issue outlets will swing open next Monday morning according to a recent announcement made by Special Services Director Gabe Imer. The issue room, located at 76 Bard Street in the Special Services building, will be completely stocked with camping equipment of all kinds plus many of the accessories needed to make a camping trip more enjoyable.

Among the list of recently purchased equipment which will be available are fishing rods, sleeping bags and two or four-man tents. Lanterns, stoves and coolers are also available for those who are planning to spend some time in the field. The equipment issue service will be available to all military personnel and civilian employees who have been at China Lake for less than one year.

The camping issue room will also feature a unique guide service for all military and civilian residents of China Lake. Maps of every recreational area in California, including state, national and county parks, will be available. Maps of all lake areas, including navigation charts for such spots as Lake Isabella, Lake Havasu and the Salton Sea, may also be obtained. Topographical maps of many local points of interest such as Randsburg, Coso and the petroglyph area will be available.

Although the Special Services Division will be unable to sell hunting and fishing licenses, information concerning all hunting and fishing regulations in the California area may be obtained at the issue room.

Hours for the camping issue room will be 11:30 to 5:30 p.m. Monday through Friday.

## Pairs Tied in City Tourney



CITY BOWLING WINNERS — Ev Yelland (left), president of the Ridgecrest-China Lake Bowling Assoc., presents split checks to city tourney doubles tie-winners Dean Ray (center) and Fred Dalpiaz (right), China Lake Bowl manager, and (kneeling, l-r) Dick Craney and Don Winslow.

## Don Winslow Taps 1,952 To Capture Most Individual Bowling Honors

Don Winslow captured most of the individual honors at the China Lake - Ridgecrest City Bowling Tournament which was completed last weekend. Winslow rolled a 1,952 total to capture the All-Events championship. Winslow and Dick Craney tied Fred Dalpiaz and Dean Ray for the doubles championship.

Ridgecrest Bowl won the team event with a total pin fall of 3,021 while the Elks team was second with 2,992. Chuck Cutsinger was high man

in the team event with 674 followed by Jim Peck, 641; Maury Coleman, 610, and John Dragovich, 600.

In the All - Events competition, Ted Kruse was second with 1,874 while Ernie Gosse-lin rolled a 1,855 for the nine game set. Kruse rolled 608 in the singles and Chuck Roulund had a 599. Leo Montano and John Dragovich rolled a 1,252 to finish eight pins behind the leaders in the doubles competition.



SPORTSMAN'S CHANCE — A few of the many kinds of camping and fishing equipment that will be on hand and ready for military men of China Lake Monday are seen here, in one corner of the newly stocked camping issue room at Special Services, 76 Bard St. Doors will open in the morning, April 8. Guide service also will be provided.

## Town Hall Meet Ready With Leaders, Issues

Leaders of the military - civilian community of China Lake will join top men of Ridgecrest on a 10-man panel next Thursday, April 11, as the Valley's second Town Hall Meeting convenes at the Community Center at 7:30 p.m.

Area citizens are invited by the Community Council directors, sponsors of the meeting, to join in discussion with the panel of matters of prime interest in the Valley.

On the panel's agenda are such items as community concern about social problems, whether bus service is needed on the Center and to Ridgecrest, ways of improving Council representation, the need for better TV reception, service and maintenance of Center

housing, and the value of the precinct concept here.

Capt. M. R. Etheridge, Center Commander, and Dr. T. S. Amlie, Technical Director head the China Lake delegation to the panel. Mayor Kenneth Smith and Chamber of Commerce president Straud Stacks will represent Ridgecrest.

Other China Lake panelists will be Capt. Robert Williamson II, Executive Officer; Capt. K. C. Abplanalp, Public Works Officer; James McGlothlin, head of Community Relations; Robert H. McKnight, vice-president of the Community Council, and Harold E. Harney, a Council director.

Questions from the floor will be fielded by the panelists, in addition to discussion of the prepared agenda items.



THIRTY-YEAR AWARD — Dr. Newton Ward (l) Head, Aviation Ordnance Department, presents a 30-year Federal Service Pin Award to Everett Yelland. Yelland is an equipment specialist with the Ordnance Department handling all plant account items. The Navy veteran worked for Supply before transferring to his present job in 1963. He is married, has two grown daughters, and resides at 307 Segundo.

## Viet Nam Hero Posthumously Awarded



POSTHUMOUSLY AWARDED — Capt. R. Williamson II (foreground), NWC Executive Officer, posthumously awards the Bronze Star Medal, Air Medal, and Purple Heart to Steven (l) and Donald, the sons of War-rant Officer Gaylord L. Westbay, an Army helicopter pilot killed during aerial opera-

tions in Viet Nam last September. Left of Captain Williamson is Mrs. Juda Cole of Ridgecrest, Westbay's ex-wife; Mr. and Mrs. John Westbay of Hanford, parents of the Viet Nam war hero. Westbay was employed at China Lake as a fireman before joining the Army in 1961.



TV BOOSTERS GET STARTED—Displaying a poster for the TV booster fund drive are (l-r) R. McKnight, vice-president of the Community Council and TV Booster Committee

chairman; John Leverette, Asst. General Manager of Texas Instruments and a committee member; Barbara Manley, TI receptionist, and Gene Richardson, Ridgecrest.

## Fund Drive For IWV TV Booster

Plans are now firm to raise \$50,000 by voluntary contributions to improve television reception in the Indian Wells Valley.

The fund drive was jointly announced today by the China Lake Community Council and the Ridgecrest Chamber of Commerce, acting as joint sponsors. The group handling the drive is the TV Booster Fund Committee, an ad hoc committee formed of members of both the Council and the Chamber.

Today is the formal start for a 30-day effort to collect funds. Voluntary contributions will be needed from 6,000 families in the Valley, who use some 12,000 television sets, according to Robert K. McKnight, chairman of the Booster Committee.

He said estimates indicate that more than 30 per cent of home - located TV sets are color sets, and pointed out that a \$50,000 goal is needed for matched preamplifiers, transmitters and antennas for improved color reception on the

present seven channels.

The fund drive has a personal endorsement of Capt. M. R. Etheridge, NWC Commander, and of Mayor Ken Smith of Ridgecrest. Captain Etheridge pointed out that no funds of the Center are available to modernize the Community Relay Television System. A Valley-wide community response is needed to achieve the fund goal.

Sponsors of the drive, the China Lake Community Council, and the Ridgecrest Chamber of Commerce, are each non-profit organizations whose interests center on civic betterment.

## Addition of Channel 23 Possible

The purchase of new, broad-band, solid - state equipment, properly matched with transmitters and antennas would improve reception 30 to 50 per cent on all channels. A successful fund drive will make almost certain the addition of Bakersfield Channel 23 for coverage of sports and local news of the desert area.

The Booster Fund Committee, with members of both the Council and the Chamber, has been preparing for this drive since the committee's formation on February 2. McKnight of the China Lake Council heads the committee, with Gene Richardson of the Ridge-

crest Chamber as co - chairman. Other members include Robert Duguid and John Leverette, both of the Chamber, and O. A. (Gabe) Imer and Don Cooper, of the Council.

## Personal Response Needed

"The appeal to everyone in the Valley," said McKnight, "in describing the committee's approach must be put in plain and simple terms. Without personal response to a common need, we will 'watch,' literally, our television reception deteriorate." He noted that, with a personal contribution from each job-holder, reception can be improved for the benefit of all.

Phase I of the Drive, during which planned appeals were worked out, are now complete. During Phase II, personal and family contributions will be sought. Donations will be recorded in formal accounting, and all disbursements will be made only by bonded officials. Checks to the TV Booster Fund should be mailed to Box 5443, China Lake, or to Box 771, Ridgecrest.

(Editor's note: The March 23 UCLA - HOUSTON basketball game was brought to China Lake viewers over Channel 5 from Channel 23 through instigation of the Council. The Friday evening presentation was enthusiastically received.)



AIRMEN REENLIST — Capt. R. F. Schall (l) NAF Commanding Officer, administers the "Oath of Enlistment" to two of his airmen, PR1 Donald R. Shipley (c) and AE2 Gerald L. Wiebe. Shipley, reenlisting for four years, is assigned to NAF Para Loft, enlisted in the Navy in March 1951, and is from Connellsville, Penn. He has been awarded the National Defense Service Medal, Good Conduct Medal, European Occupation Medal and Armed Forces Expeditionary Medal. Wiebe reenlisted for six years under the "Star Program" and is assigned to NAF BQM Shop (target drones). From Glasgow, Mont., he enlisted in the Navy in October, 1965, and has the National Defense Service Medal.



## Sumrall Will Be Sworn In As Navy League President

A host of high ranking Navy League dignitaries and Naval Weapons Center officials are expected to be on hand tomorrow night to witness the installation of Howell Sumrall as the 12th president of the Indian Wells Valley Navy League Council by Capt. M. R. Etheridge, NWC Commander.

The event will get underway at The Hideaway, with a social hour starting at 6:30 p.m. followed by an installation dinner.

Navy League dignitaries expected to attend the event are "Pic" McIver, past 11th Region president, and Robert Smith, national director. Smith was the founder and president of the local Council from 1957 to 1958.

Sumrall, a former project pilot at China Lake in 1945



HOWELL SUMRALL  
... to be seated

and a retired Navy captain, succeeds W. R. (Bob) Balcom, of China Lake, as council president. He is employed as a technical writer with Genge Industries, Inc.

Other new officers to be installed are Herb King, first vice president; Dr. Henry LaFortune, second vice president; Archie Meyer, secretary; Francis Carlisle for a second term as treasurer; Jim Wheeler, judge advocate; and J. T. Bibby, military liaison.

## Country-Western Weekend Tonight

Club Chaparral will feature Country and Western Weekend tonight and tomorrow highlighting "Dave Stogner and His Boys" from 9:30 p.m. to 1:30 a.m. Dinner will be served from 6 to 9 p.m.

Next week, April 12 and 13, Club Chaparral presents "Rex Davis and His Walking, Talking Sax" kicking off a weekend in New Orleans.

Blues music, and New Orleans food is slated for the customers attending this affair. Come early and stay late with dining from 6 to 9 p.m.; dancing from 9:30 p.m. to 1:30 a.m.

Assistant manager, Jim Bullis announced he is accepting applications for bartender positions. Interested applicants are advised to call Bullis at Club Chaparral, Ext. 72274.

## Patents Presented To Center Inventors



**INVENTORS REWARDED** — Men from four NWC departments recently received patent awards for their inventions, from Capt. M. R. Etheridge, NWC Commander, and from their department heads. The inventors are (front, l-r) Nathan Sippel, Lewis Stevens, Armin Wiebke, Marvin Back-

man, Dr. Adicoff, Donald Lockwood and Paul Cordle. Standing (l-r) are Larry Manning, Paul Driver, Everett Bens, Roland Gallup, Dr. Gryting, Donald Wheeler, Dr. Henry, Robert Sewell, Jack Myers, Robert Fowler, William A. Gey, Melvin McCubbin, Alan Woodman, Sydney Sheffler and Carl Peters.

A group of Naval Weapons Center employees met on March 5 to accept recognition for their inventions from Capt. M. R. Etheridge, NWC Commander, and from their respective Department Heads.

Carl I. Peters received two Original Grants; one for his "Radiation Responsive Device" and a "Protective Circuit for Electro-Firing Devices," and a cash award from Code 55.

From Code 50, Dr. Ronald Henry received a patent for the "Process for the Synthesis of Vinyltetrazole Monomers;" Everett Bens received a patent and a check for a "Light Extending Product and Process;" Alan Woodman and Dr. Adicoff shared a cash award and received a Notice of Allowability on "Crosslinked Carboxymethyl Cellulose Ni-

trates;" a patent for an "Impact Test Apparatus" was issued to Marvin Backman and the late James Rogers of Code 50 and Robert Sewell of Code 40.

Larry Manning of Code 45 and Richard Zabelka (a former NWC employee) split a check for their apparatus for improving the formation of explosive aerosol clouds; Roland Gallup of Code 45 received a patent and a cash award for a "Light Bomb;" Dr. Gryting and Lewis Stevens, Code 45, shared a check for their process and apparatus for disseminating incapacitating agents; Bill Gey and Armin Wiebke also shared a check for a dispersal system; Code 45 employees, Paul Cordle, Melvin McCubbin and Don Lockwood teamed up with two employees from Corona Laboratory to develop a "Warhead Breakup Sensor," for which

they received a cash award; Nathan Sippel of Code 45 received a Notice of Allowability and a check for a "Rocket Fuel Gel Composition," and shared another cash award with Herman Hoffman for their invention of a "Bipropellant Rocket Combustion Chamber."

Jack Myers received a patent and a check from Code 40 for his "Air-Arming Impact Fuze."

Sydney Sheffler and Steven Little received a patent and a check for their "Emergency Light Unit;" Paul Driver and Robert Fowler received a patent for a method and means for enhancing camouflaged target detection utilizing light polarization techniques. The inventors had received a cash award earlier from Code 35. Don Wheeler received a patent on a "Hybrid Amplifier" and a check from Code 35.

## Civil Service Boosts Danger Pay

Several new conditions have been approved for payment of additional pay to graded employees by the Central Office of the U.S. Civil Service Commission.

The amount of additional pay is 25 per cent of base pay for all hours of the shift during which performance of one of the cited conditions occurred. An effective date of the first pay-period beginning after December 30, 1967, has been established for payment under these conditions:

**Flying** — Participating in (7) reduced gravity flight testing in an aircraft flying a parabolic flight path and providing a testing environment ranging from weightlessness up through plus two gravity conditions.

**Firefighting** — (1) Participating as a member of a firefighting crew in fighting forest and range fires on the fireline. (2) Participating as a member of a SCUBA (Self-Contained Breathing Apparatus) Diving Emergency Unit engaged in rescue and recovery operations, or training in such operation, when visibility is restricted or currents are strong.

(3) Participating in in-water under-pier firefighting operations (involving hazards beyond those normally encountered in firefighting on land, e.g., strong currents, cold water temperature, etc.).

**Flying** (1) Participating in low level flights as a pilot or observer in an aircraft flying at altitudes of 200 feet and under while conducting wildlife surveys and law enforcement activities, animal depredation abatement and making agricultural applications.

**Underwater Duty** — (1) Diving required in scientific and engineering pursuits, or for inspection, maintenance, or repair of underwater facilities, at a depth of 20 feet or more below the surface, or when visibility is restricted.

(2) Participating as a subject in diving research tests which seek to establish limits for safe pressure profiles by working in a pressure chamber simulating diving or, as an observer to the test or as a technician assembling underwater mock-up components for the test, when

the observer or technician is exposed to high pressure gas piping systems, gas cylinders and pumping devices which are susceptible to explosive ruptures.

(3) Participating in weapons systems trials conducted on submarines at sea under submerged conditions.

(4) Participating in full scale trial programs by the Naval Ship Research and Development Center on all classes of submarines at different operational stages, including trials of newly launched submarines, pre-overhaul and post-overhaul trials of repaired or modified submarines.

**Underground Work** — Work underground performed in the construction of tunnels and shafts, and the inspection of such underground construction, until the necessary lining of the shaft or tunnel has eliminated the hazard.

**Exposure to Hazardous Agents** — Work with unknown explosive ordnance when the unknown ordnance is manually manipulated, or when new or

## Raymond J. Marsh Admin. Assistant

(Continued from Page 1)

he will work directly with representatives of the Center and of local industry and business to determine which occupational skills are most needed and how the Desert Division can best train people for these occupations.

Marsh is now doing administrative work in curriculum planning and addresses high school groups on occupational education, but is available to speak to any interested group on this and allied subjects.

Before coming to the Desert Campus in 1965, Marsh was a teaching assistant and instructor for two years at San Jose State College, where he earned his bachelor's and master's degrees in biological science. He has completed additional graduate work with the University of California, Santa Barbara.

Since he joined the Bakersfield College Desert Division faculty, he has taught a series of courses in biology, zoology, human anatomy, and health education.

He and his wife, Veronica, enjoy the desert's climate and recreational opportunities. They reside at 328 Cisco St., Desert Park, with their two children, Tracey, 4, and Tad, 8 months.



**Help Fight Crippling.**

(Continued on Page 7)

## Enlisted Mess Wins First Runner-Up In Ney Memorial Award Competition

The Naval Weapons Center Enlisted Mess has been selected as First Runner-up in the small mess category for the 1968 Captain Edward Francis Ney Memorial Award, according to RAdm. Marshall E. Dornin, Commandant, Eleventh Naval District at San Diego. This is the second year in a row the Enlisted Mess has earned this prized recognition.

Other messes nominated for the first place and runner-up awards within the Eleventh Naval District are: large General Mess — Naval Station, Long Beach, California; first runner-up in this category is Naval Construction Battalion Center at Port Hueneme, California.

Taking first place honors in the small General Mess competition is the Naval Administrative Unit at Lake Meade Base, Las Vegas, Nevada.

Admiral Dornin extended his heartfelt congratulations to the officers and men for their outstanding efforts in the competitive program.

Capt. M. R. Etheridge, NWC Commander, made it known that he was "mighty proud" and relayed his congratulations with a "Well Done" to the personnel of the Enlisted Mess for their achievement.

CSC E. I. Jones, Leading Chief of the Enlisted Mess, stated that this award would never have been possible if it were not for the support given him by his petty officers, commissarymen and mess attendants.

"Without a good staff," he said, "I never would have been able to get off the ground."

"We have been successful here," Jones continued, "be-

cause of the ability and cooperation I have received from everyone at this Center. This includes the interest and support received from the members of VX-5, NAF, and NWC staff members. It would be a pretty grim business if I hadn't received this kind of support. It's a real pleasure to work with these people during my daily operations. I'm real happy that the Enlisted Mess came out in the competition ranking as high as it did."

The Ney Memorial Award Committee rates all Navy General Messes under the following categories: overall operation of the mess; maintenance of mess records; cleanliness; acceptability of the mess line food items; methods used in food preparation; performance of commissarymen and mess attendants, and sanitation, besides other areas of consideration.

The NWC Enlisted Mess was scored on each category and assigned a grade number which eventually resulted in a total score - grade being matched against scores received by other competitors. Final results were tabulated and the Enlisted Mess here received the nomination for the first runner-up award.

## Maj. Ross Attends Army Management School at Ft. Lee

Maj. C. T. Ross, Commander of Civil Air Patrol Squadron 84, at China Lake, departed recently to attend the Advanced Property Disposal Management Course at the U.S. Army Logistics Management Center, Fort Lee, Virginia.

Major Ross stated he was looking forward to attending the school where he will receive additional training for his duties as Property Disposal Assistant (Code 2597).

The major anticipated visiting units of the Virginia Wing of the CAP during his stay, where he will be looking for new ideas to use in preparing the local unit to meet CAP objectives.

Maj. James Rose, formerly of the Idaho Wing of the Civil Air Patrol, has assumed command of the China Lake unit during Major Ross' absence.

## Red Cross Mother, Child Care Class Set for April 17

The semi-annual Red Cross Mother and Child Care class for expectant parents begins Wednesday, April 17. The six-week course will be taught each Wednesday from 7 to 9 p.m. in the Red Cross office, 55 Lauritsen.

Three films, "Visits to the Doctor," "Prenatal Care," and "Delivery," will be shown. There also will be instruction in the care of a new born infant.

Expectant fathers are especially welcome.

To register, call the instructor, Mrs. Joseph Stone, Ext. 73082.

## Gen. Johnson Details Elements Of U.S. Strategy In Viet Nam

The strategy being pursued in Viet Nam by Gen. William C. Westmoreland is aimed at disrupting the mutual support between the higher and lower echelons of the enemy.

In addition, Gen. Harold K. Johnson, Army chief of staff, told the Senate Armed Services Committee, this strategy is designed to break up the chain of command by divorcing each successive echelon from its next higher echelon, so that the total effort is fragmented and can be defeated in detail.

Gen. Johnson, in a prepared statement, explained:

"The first undertaking is to separate the enemy regional and local forces, local guerrillas, and the political apparatus from the North Vietnamese Army and Viet Cong Main Force elements. To accomplish this, operations are conducted to push NVA and Main Force VC units back to the unpopulated border areas and a few remote mountain and jungle areas, inflict casualties, and destroy the pre-stocked bases in South Viet Nam which support these units. Search-and-destroy operations have this as their general objective.

"A second element of this strategy is the wearing down and elimination of enemy regional and local forces by conducting small-scale operations designed to kill, capture, or induce defections. These smaller-scale operations are carried out systematically by U.S., Free World, and South Vietnamese forces. The preponderance of them is conducted by the South Vietnamese who are better able to distinguish

friend from foe.

"The final element of the strategy seeks the elimination of the political apparatus. This is primarily a function of the national and local police and other civil or paramilitary governmental agencies. However, this very important activity can be carried out only with the protection of friendly military forces. A protective shield behind which political, economic and social development can be carried out is absolutely essential. The inner armor of this shield is being provided by Popular and Regional forces as well as the Regular South Vietnamese Army committed to direct support of pacification. The outer armor is provided by the larger search-and-destroy operations and by the operations against the regional and local forces."

Gen. Johnson told the committee on Feb. 16, "As a result of superior mobility and firepower, U.S. forces are frequently engaged in the larger-scale operations against the NVA and VC main force units. Being more spectacular and newsworthy, these tend to attract popular attention and overshadow the less spectacular, but equally essential, small-scale operations conducted by all Free World Forces.

"This condition has led to a widely-held misconception that our present strategy is limited to large scale search-and-destroy operations having exclusively military objectives. Critics of this strategy apparently consider that pacification and nation-building are neglected. This is simply not true. We are carrying out a concept

which is a combination of driving the organized enemy forces away from the populated areas toward the remote areas and concurrently providing improved security for the population. The emphasis varies in different parts of the country because the weight of effort is determined by the security condition that exists in each area."

Gen. Johnson said this strategy has two impacts which he believes will prove decisive:

It increases the distance between the major threat and the population which that threat is designed to intimidate.

It requires the enemy himself to provide essentially the full logistic support required by those units driven away from the populated areas.

He said, "Forced away from the more densely inhabited areas, these units have difficulty in drawing on the population for their material support."

Gen. Johnson is confident "that our concept represents a well-conceived and balanced approach toward freeing the South Vietnamese countryside from domination by organized enemy military units and toward creating a climate of law and order in which the South Vietnamese can develop a free society in accordance with their desires and traditions. Neglect of any one of the elements of our strategy can only result in a failure to achieve the objectives we have established — and I assure you none of these elements are being neglected. To the contrary, each is receiving a growing and continuing emphasis."



**NOTS PINS AWARDED**—The Aviation Ordnance Department, Naval Weapons Center, awarded 20-year NOTS pins earned during 1967 by its employees. Back row — standing (l) are William Ward, Alfred Ferris, Samuel Wyatt, Willie Guise, Francis Parks,

Robert Lockwood, Delbert Rollinson, and Francis Martin. Also James Burnett, Robert Allen, Kenneth Barnett, Harold Hornak, and Anthony Backinski. Seated (l) are Louise Baird, Veva Barra, Signe Gallaher, Norma Fritchman, and Dorothy Ligertwood.



**CHAPARRAL CLUB OFFICERS** — New officers of the Chaparral Club Women's Auxiliary were recently installed by Captain M. R. Etheridge at the Chaparral Club. Installed were from left: Joan Schmidt, Executive Officer; Dee Dee Danielsen, Executive Officer; Sharon Lewis, Secretary/Treasurer; Mary Ann Craft, Vice President; Max-

ine Clark, President; Lillian Schock, Correspondence Secretary; Ellen Scranton, Chaplain; Lillian Peck, Executive Officer. Main purpose of the group is to carry on projects for the children at Porterville Hospital. The club recently sold 50 tickets to send children to summer camp. Auxiliary meets first Monday and third Sunday each month.