

New Captain Gets Eagles



PROMOTED TO CAPTAIN — Cdr. Edward L. Snopkowski was promoted to Captain recently at ceremonies in Capt. M. R. Etheridge's office. Family members joining in the happy occasion were front row (l-r) Barbara and Joan, back row (l-r) John and Mrs. Snopkowski. Captain Snopkowski is Military Advisor to the Earth and Planetary Sciences Division, Research Department.

35 Hostesses Come to Desert For Dance

A dance for single military men will be held at the Community Center on Saturday, November 30. There will be a social hour from 7 to 8 p.m., and dancing from 8 to 11:30 p.m.

Sponsored by Special Services Division, 35 girls from the San Bernardino area will act as hostesses, and the Sounds of Time will furnish dance music.

Television enables people with nothing to say to talk to people who aren't listening.



CROSSWORD PUZZLE

Crossword puzzle grid with clues for Across and Down. Includes a list of answers for the previous puzzle and a 'Distr. by United Feature Syndicate, Inc.' notice.

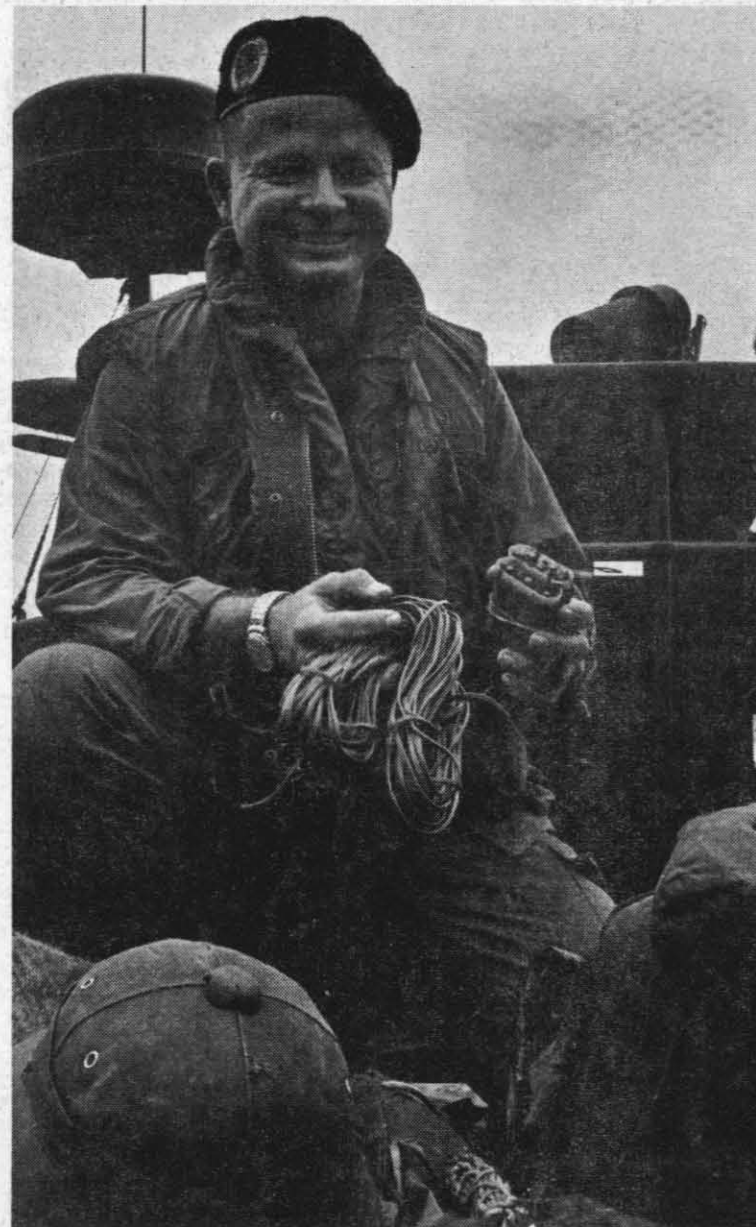
SHOWBOAT

MONDAY DECEMBER 2 "DAYTON'S DEVILS" (101 Min.) Rary Calhoun, Linnie Kazan 7:30 P.M. (Crime/Adventure) An ingenious robbery of an Air Force payroll by a hand-picked group calls for use of SCUBA gear and nerves of steel. The fabulous Linnie sings "Sunny" and acts in this, her movie debut. Action-filled! (Adult.) Short: "Perfect Game" (9 Min.) TUESDAY-WEDNESDAY DECEMBER 3-4 "WHAT'S SO BAD ABOUT FEELING GOOD" (94 Min.) George Peppard, Mary Tyler Moore 7:30 P.M. (Comedy) Laugh-a-minute story of two hippies. He and she become infected with a strange virus that spreads to all New York. It's a "Joy Bug" of Hilariousness! A satire of the contemporary scene by the hippie crowd is a H-O-W-LI (Adult, Youth, Mature Children.) Short: "3 Ring Wing Ding" (7 Min.) "Whirlybirds" (9 Min.) THURSDAY-FRIDAY DECEMBER 5-6 "THE WAR WAGON" (101 Min.) John Wayne, Kirk Douglas, Howard Keel 7:30 P.M. (Super Western) Big John seeks vengeance for a framed jailing and rounds up a gang of "specialists" to hijack an armored wagon owned by the villain. Comic by-play between John and Kirk highlights an action-rocking super epic. (Adult, Youth, Mature Children.) Short: "Cold Storage" (7 Min.) SATURDAY DECEMBER 7 -MATINEE- "AND NOW MIGUEL" (94 Min.) Guy Stockwell 1:00 P.M. Short: "High Seas Hijacker" (7 Min.) "Ghost Riders" (No. 2, 13 Min.) -EVENING- "O DAD, POOR DAD, MAMA'S HUNG YOU IN THE CLOSET AND I'M FEELING SO SAD" (No synopsis available.) 7:30 P.M. SUNDAY-MONDAY DECEMBER 8-9 "SUBTERRUGUE" Gene Barry, Joan Collins 7:30 P.M. (No synopsis available.)

Swears-In on Father's Anniversary



FATHER SWEARS IN SON — Dwight E. Perkins, left, is shown being sworn into the Navy by his father, Lcdr. Richard L. Perkins, NWC Assistant Technical Officer. The occasion marked the 28th anniversary of Lcdr. Perkins own initial enlistment, and happens to be some weekday.



MADDEN IN VIETNAM — Lt.(j.g.) J. Patrick Madden displays some of the enemy material captured after the pre-dawn firefight in which 15 enemy were killed. Lt. (j.g.) Madden, son of Mr. and Mrs. Jerome P. Madden, 400-A Tyler St., China Lake, and the other PBR crewmen, also captured a Russian-made azimuth and rangefinder of the type used by 122 mm rocket teams, military and personal documents, personal effects and photographs of North Vietnamese soldiers in their khaki uniforms and pith helmets. Madden is presently serving with River Division 593 at Nha Be, eight miles south of Saigon.

Astronomical

Glimpses of the moon, as it will appear to the astronauts on their forthcoming flight, will be featured at the meeting of the China Lake Astronomical Society on Monday, December 2, at 7:30 p.m. at 401 McIntire Street on the Center.

Everyone interested is invited to view the film about photography achieved by unmanned lunar orbiters, "Closeup on the Moon," and to discuss other current astronomical events. Following the program, members of the society will hold their annual business meeting and election of new officers.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2) and Assistant Division Head, feasibility, priority, mandays' effort required and disciplines involved are established. Projects discussed at these conferences are planned programming, production projects, special projects, reports, feasibility studies, etc. File applications with Dora Childers, Rm. 32, Code 657, Phone 71393. Electronic Engineer (General), GS-855-11 or GS-12, Code 7035 — The incumbent of this position will be responsible for all technical work involved in servicing and supporting the Station's communication facilities and systems. His function will be to advise on, coordinate and perform professional work in design, standardization, development, installation, maintenance and operation of facilities, systems and equipment requiring the application of engineering concepts, principles, data, techniques and practices involved in transmission, analysis, processing, modulations, or conversion of electrical intelligence. General based on Communication. File applications with Dora Childers, Rm. 32, Code 657, Phone 71393.



Vol. XXII, No. 48 Naval Weapons Center, China Lake, California Fri., Nov. 29, 1968

Weapon Systems Simulator Unique NWC Corona Facility

Corona Computer 'Flies' Missiles That Don't Exist

The Simulator and Hybrid Computer Facility at the Naval Weapons Center Corona Laboratories is one of the unique tools at Corona. It is used in the Missile Systems Department for weapons system simulation studies, and provides a means of solving many detailed design and development problems by a combination of mathematical techniques and physical simulation.

The analog computer — which is one of the four principal items in the facility — is especially suited to problems involving the solution of sets of ordinary differential equations such as occur in missile and aircraft trajectory studies, flight simulation and systems studies.

Can Compute Many Flights The AD256 Analog - Hybrid Computer is a logic controlled analog computer with all solid state components. It is capable of computing missile trajectories 100 times faster than actual flight time, so several thousand flights can be run each day. It can be programmed to automatically run a trajectory, record important information after the run, and reset itself to make another run with one or more of the initial conditions of the flight changed, such as an increased down-range target, as demonstrated in accompanying read-out charts.

The logic associated with the computer controls not only the analog functions but is used to simulate the logic functions found inside the missile itself.

The equations that describe the missile's motion in flight and all the available aerodynamic data about the missile (from wind tunnel studies, etc.) is the starting point. To this is added the internal workings of the missile such as all the information possible on the design, usually as improvements on an existing model.

From there it is a matter of writing up a program that will solve all of these equations, and patching this program onto the computer.

An analog computer uses voltages to represent each of the parameters that describe the missile. For example, one parameter, the velocity, is represented by a voltage; one thousand feet per second might be represented by ten volts.

Next, the missile is given certain initial conditions. A missile that is to be launched from an aircraft would have



CAL POLY STUDENTS VISIT CORONA — Dale Christensen, (right), Simulations Operations Branch, NWC Corona Laboratories, demonstrates the readout printer of the analog computer used by his research group.

It is printing variable missile flights in simulation. The interested listeners are Industrial Engineering students from California Polytechnic Institute in Pomona, who were on a one-day tour of the facilities.



KEY TO IMPROVEMENTS — The "key" to the remodeled quarters of the Range Operations Branch building was presented by Capt. K. C. Abplanalp, Public Works Officer, to Dr. I. E. Highberg, head Systems Development Department. An "open house" celebration at the ROB marked the occasion. Jim Colvard is Range Operations Division Head.

Forty-Niner Death Valley Encampment See Pages 4, 5

Military Court System Changed By President

President Johnson has signed legislation providing additional protection for members of the armed forces by creating an independent court system within the military that is free from command pressures and control.

In his remarks before signing the Military Justice Act of 1968, President Johnson noted that the man who wears the uniform of his country today does not discard his right to fair treatment under our laws.

The first step came in 1950. "It was then," the President said, "that our servicemen and women were given the Uniform Code of Military Justice — the most sweeping development in military law in all of American history."

"When President Harry Truman signed it into life, he was able to say that 'the democratic ideal of equality is further advanced.'"

"Today we believe we advance it again. The Military Justice Act of 1968 . . . will stand proudly beside the 1950 law."

Specifically, the Act will provide protection for servicemen by increasing and extending the right to legal representation to accused who are tried by special courts-martial; providing for military judges at certain cases, and giving accused persons an absolute right to refuse trial by summary courts-martial.

The act, signed into law by President Johnson on Oct. 24, also provides for a form of post-trial "bail," improves trial and appellate procedures, and provides new protections against improper command influence.

The new law will remove obstacles in the present law which prevent the conducting of court-martial trials in the full spirit and intent of decisions and opinions of the United States Court of Military Appeals. That court, in interpreting the Uniform Code of Military Justice (UCMJ) (enacted in 1950; reenacted and codified in 1956) has done as much as can be done without statutory change to place into effect a true judge and jury system in the conduct of courts-martial trials.

No longer is the law officer (now renamed "military judge") a mere legal advisor to the court-martial as he was before 1950. The court has placed upon him a true judicial function. (Continued on Page 7)

Form with fields for 'From', 'TO', and a 'STAMP' box.

CHAPLAIN'S MESSAGE

Advent

By Chaplain Irvin H. Thompson



Sunday, December 1 is Advent Sunday in the Christian Church.

Advent is the beginning of the new Church year. It is a season of preparation for Christmas. Advent begins on the Sunday nearest to St. Andrews Day (November 30) and continues through the four subsequent Sundays.

Elements of seriousness and joy are to be found in Advent. The word "Advent" means "Coming" and refers to the coming of Jesus Christ in his various manifestations. Advent refers to the coming of Christ as foretold by the prophets.

Advent is a time of spiritual preparation for Christmas. It is through this atmosphere of preparing that we receive the full effect of the spirit of the season.

The Advent of Jesus is more than a date — it is an event. It is the unveiling of God and humanity. The periods B.C. and A.D. are the "folding doors of history," when prophecy was fulfilled. "Prepare ye the way of the Lord, make straight in the desert a highway for our God."

THE WHITE HOUSE WASHINGTON THANKSGIVING DAY MESSAGE FOR THE ARMED FORCES

Nearly three and a half centuries ago, the first Thanksgiving Day marked a pause in the harsh labors of the Plymouth colonists.

It was a time for those who had survived the hardships of a severe winter to enjoy the bounty of a full harvest and to thank God for His many blessings. Not the least of these was the sense of freedom they found in the wilderness of this vast and yet uncharted land.

We are humbled as we look back to that day and recall the achievements of so many Americans, in all walks of life, who enriched the bounty of our soil and extended the blessings that God had showered upon our Founding Fathers.

Foremost among those whom we remember on this Day, are the brave men and women in uniform whose sacrifices have protected our nation and preserved our cherished heritage of freedom. We are one in gratitude on this Thanksgiving Day as we are reminded of your constant courage and unquestioned devotion to this country. For thanks to you, there is hope in the homes of America today, and the hearts of America are free from fear.

Mrs. Johnson, our family and I send you our warmest wishes for a Thanksgiving celebration that brings each of you the same satisfaction and joy which you have brought to us — and to all your fellow countrymen.

Signature of the President

PROMOTIONAL OPPORTUNITIES

Present Center employees are encouraged to apply for the positions listed below. Applications should be accompanied by an up-to-date Form 35. 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 from Nov. 29 to Dec. 6, 1968.

Supply Clerk (Typing), GS-2040-04, Code 255 — Establishes, maintains complete and accurate stock records of all ammunition received, stored, issued and shipped by the Magazine Branch.

Editorial Clerk, GS-04-05, Code 7512 — Performs copyediting and proofreading of Technical and Administrative publications. Required experience: GS-5; 18 months general clerical plus 19 months in duties as described above. Experience in routine editing of correspondence and reports merely for proper spelling, grammar, etc., will not meet required experience.

Management Analyst, GS-05-07, Code 251 — Plans, reviews, coordinates current and proposed operational programs; conducts special and scheduled surveys and studies; devises solutions to problems and recommends new and improved methods and procedures; drafts correspondence, reports, instructions, charts and forms. Requires three years of experience in administrative, professional or technical work and the person selected must pass or have passed FSEE. Training also in supply analyst and digital analyst as it applies to Supply operations. Grade level to be determined by qualifications of applicant.

Supply Clerk, GS-2040-03-04, Code 2575 — This position is responsible for the establishment, maintenance and completion of the open order files. Provides follow-up information as to status and receipt of material from government sources of Supply, expedites delivery of material to meet scheduled deadlines, furnishes information relative to unmatched summaries, unmatched summary invoices, and reconciles invalid obligations and back-orders. Processes receipt and direct delivery expenditure documents to Accounting Division.

Supervisory Supply Clerk, GS-2040-06-07, 1 Vacancy, Code 2575 — This position is responsible for establishing, maintaining and completing the open order files of documents covering expected receipts from contractors, naval manufacture, and government departments for stock and direct delivery; obtains and provides delivery status information; maintains contact and follow-up as necessary; furnishes information relative to unmatched abstracted vouchers; certifies and forwards contractor invoices for payment; prepares, distributes and extends inspection reports; prepares rejection notices; follows up on overdue inspection reports and dealers' invoices and matches dealers' invoices with the accomplished inspection report, and forwarding them to the vouchering activity.

File applications for the above with Carole Gads, Bldg. 34, Rm. 26, Ext. 71648. Electronic Technician, GS-9, Code 5515 — This position is located in the Standards and Calibration Laboratory Branch, Quality Engineering Division, Engineering Department. Incumbent will review working plans, diagrams and/or booklets relative to design, development and modification of electrical and electronic standards and test equipment of moderate complexity.

File above applications with Pat Gunt, Bldg. 34, Rm. 34, Ext. 71714. Ordnance Quality Control Specialist, GS-11, Code 5512 — This position is located in the Inspection and Mechanical Standards Branch Quality Engineering Division, of the Engineering Department. The incumbent is responsible for the review of quality control requirements for project hardware manufactured at the Naval Weapons Center and for preparation of written procedures to be followed during the manufacturing process. The incumbent of this position must have at least four years progressively more difficult experience in quality control. He must have extensive knowledge in planning, inspection, and manufacturing processes. He must be familiar with processes such as sampling procedures and evaluation of statistical data, discrepancy and deficiency reports. Some formal education in quality control is desirable.

Electronics Technician, GS-9, Code 5517 — This position is in the Environmental Test Section, Central Engineering Test Branch, Quality Engineering Division, Engineering Department. The incumbent is engaged primarily in the application of the vibration systems to combined environment testing. He fabricates, assembles, operates, and calibrates airborne recording systems for the purpose of acquiring engineering data of weapon systems during captive and powered-free flight phases. The incumbent must have a sound electronic background in the application and use of electronic instrumentation in engineering testing. He must be knowledgeable in the field of telemetering electronics.

Supervisory Electrical Engineer (General), GS-13, Code 7033 — Position is Head, Electrical Branch, Engineering Division, Public Works Department. Incumbent is responsible for all electrical engineering performed in the Division. Through conference discussions with other Branch Heads

(Continued on Page 8)

EDITORIAL

An American Tradition

Twenty years ago the United Nations adopted the Universal Declaration of Human Rights that expresses man's deepest beliefs concerning the rights and dignity of every human being.

On Dec. 10, elaborate ceremonies at the United Nations Building in New York will commemorate the 20th anniversary of the approval of the Universal Declaration of Human Rights. This same day has been set aside as Human Rights Day in the United States.

Of course, human rights are not a new concept in this country. This nation was founded on the principles of individual rights and dignity.

Human rights are an American tradition, the threads of which are inextricably woven into the rugged fabric of our democracy and way of life.

In this land, which has served as a haven for the downtrodden



masses of the world for more than 300 years, can be found every race, creed and color of the world's population.

From every country in the world, the hungry, oppressed and disenfranchised have flocked to our shores. They have helped carve and mold a great nation from a vast wilderness, realizing their fondest hopes and prospering to a degree never before known in the history of man.

Here, and here alone — despite what the critics and the gloom-merchants may proclaim — a man or woman has the opportunity to progress and prosper through ability, initiative and hard work.

America is still the land of opportunity, just as it has been for more than three centuries. Every man, woman and child still has the opportunity to earn the respect, admiration and acceptance of his fellow Americans and to climb as high on the economic ladder as his ability and his tenacity will take him.

Human Rights Day should serve as a time for every citizen to look carefully at his opportunities as an American — and to honestly evaluate how well he has used them. Every American can be thankful for living in a nation where individual rights, dignity and opportunity are a way of life. It should also serve as a time to rededicate ourselves to these principles and help insure them for all men everywhere. (AFPS)

CENTER LIBRARY LISTS NEW BOOKS

- A complete list of new books is available in the library. Conover—Once Upon an Island. Fiction: Bagley—The Vivero Letter. Creasey—The Sleep. Dick—Do Androids Dream of Electric Sheep? Geddes—High Game. Seifert—Doctor's Confession. Non-Fiction: Andrew—Creative Rubbings. Drimmer—Black History. Gibson—A Mass for the Dead. Johnson—Heroic Mexico. Josephy—The Nez Perce Indians and the Opening of the Northwest. Pohl—The Viking Explorers. Ridgway—The Korean War.



HOLIDAY DECORATIONS TEA — Sponsored annually by the Oasis Garden Club, this year's holiday tea was held at the home of Dr. and Mrs. Edward Benton. Pouring at the gaily decorated tea table are (l-r) Ruth Farrington, past president, and Marion Licwinko, president. Garland, wreaths, centerpieces, swags, and wall hangings designed and arranged by club members adorned every room.

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LBJ Signs Bill

(Continued from Page 1)

cial role which he could not fulfill effectively without changes in the UCMJ. The new law (as contained in H.R. 15971), and signed into law by the President), provides these changes.

In addition, the act modernizes and streamlines court-martial procedure, brings that procedure into closer accord with the procedure followed in the federal district courts under the Federal Rules of Criminal Procedures and enhances the prestige and effectiveness of the military judge so that his judicial stature and authority in the courtroom will more nearly approximate that of a civilian trial judge.

The Department of Defense has been urging enactment of many of the key features in the new law for years. The "DOD Omnibus Bill" introduced in 1953 and subsequently for several sessions of Congress, without action, included many of the provisions of the present act.

President Johnson noted in his remarks how the new law enlarges the right of the individual soldier by giving him trained legal defense when he is tried by a special court-martial.

He also said "we in America have always prided ourselves on giving our men and women in uniform excellent medical service, superb training, the best equipment that money can buy.

"Now, with this bill," he continued, "we believe we are going to give them first-class legal services as well . . . I am so pleased that it goes to the root of the system, which all of these men and women defend for all of us — the right of every citizen to justice and to fairness under the law."

A list of the key provisions of H.R. 15971, and direct benefits to members of the armed forces, follows:

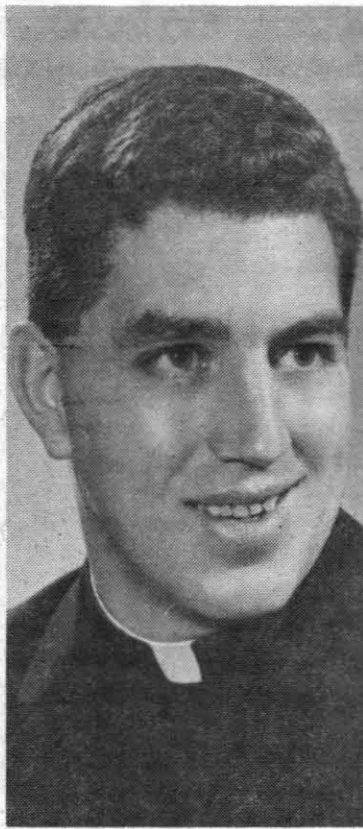
1—Accused may be tried by military judge sitting alone (jury - waived trial) at a general or special court - martial upon request by the accused and approval of the military judge.

2 — Bad conduct discharge may not be adjudged by a special court - martial unless verbatim record of trial is made, accused detailed legally qualified counsel; and a military judge detailed to the court unless military judge cannot be obtained due to physical conditions or military exigencies.

3 — At all special courts-martial, accused must be afforded opportunity to be represented by legally qualified counsel unless such counsel cannot be obtained due to physical condition or military exigencies.

4 — Accused has absolute right to trial by summary court-martial even though he has been offered and has refused punishment under Article 15.

5 — Permits accused to petition for such a new trial in any court - martial case within two years after approval of sentence by convening authority. (Previously the law provided one year period and extended only to cases in which sentence included death, dismissal, dishonorable discharge, bad conduct discharge, or confinement for one year or more.)



Rev. Howard Fath, M.S.C., Director of Communications, American Missionaries of the Sacred Heart (MSC), has been given a missionary assignment at Santa Margarita parish, Ciudad Kennedy, Bogota, Colombia. His preparation for this assignment will include an intensive, four-month language course at the Center of Intercultural Formation, Cuernavaca, Mexico, beginning January 6.

Father Fath, the son of Mr. and Mrs. Howard Fath of 7-B Wasp Circle, China Lake, entered the MSC Society at Sacred Heart Novitiate, Youngstown, Ohio, in 1955 and completed his studies for the priesthood at Sacred Heart Seminary, Shelby, Ohio. He was ordained at Toledo, Ohio, May 27, 1961, and studied at Marquette University's School of Journalism before being assigned to his present position at the MSC American Headquarters at Aurora, Ill., in 1963.

At Ciudad Kennedy, Father Fath will join other American MSC Missionaries who have been commissioned by the Archbishop of Bogota to construct a parish center to serve over 20,000 families in the burgeoning housing development named in honor of the late President John F. Kennedy.

Simulator

(Continued from Page 1)

ameter variables inside the missile it is simple to make thousands of runs in orders to get the optimum parameters.

"The computer simulates the missile's internal electro-mechanical functions and the aerodynamics which describes how it reacts when flying through the varying densities of the atmosphere at different velocities," explains Dale Christensen, mathematician and one of the operators of the computer. "Internally, you must keep it stable, so it doesn't oscillate. This is a big design problem. Also, you need a guidance computer inside the missile to get it from the launching point to the target in the most effective manner. All of this can easily be simulated on the computer."

"In a missile flight you have three dimensions the missile can translate; also it can roll in three ways, and to simulate all of these variables requires a tremendous amount of equipment; so many times in our simulation we are restricted to one plane. However, usually this is sufficient to analyze the particular parameter we are after in the missile."

While most of the work now at Corona is being done on air - to - surface missiles, the same equations could describe any type of missile, so that surface - to - air, or air-to-air could be simulated easily on the computer.

The Computer operates under the Dynamics Division, Simulation Branch. It has 256 amplifiers, 24 function generators, 6 resolvers, and has the ability to set its own potentiometers using servos called servo-set pots. Instead of having to adjust a pot by hand (to adjust different initial conditions or parameters in the program) you set the number on the computer patch board, and the pot is set to that value by the computer control when the button is pressed.

The equipment has proved invaluable to the Missile Systems Department by being able to turn out a tremendous volume of information very useful in the full range of missile research.

6 — The new law provides authority for deferring the service of a sentence to confinement during appellate review upon application of the accused and approval of the convening authority. (So-called "ball.")

Among the indirect benefits to servicemen through improvement of the courts - martial System are the following examples:

1 — Reorganizes the Boards of Review into one Court of Military Review for each military department. The court will be divided into panels. A Chief Judge will be appointed who has certain administrative authority over the court. Civilians may be appointed.

2—Strengthens prohibitions against command influence; prohibits rating officers from considering or evaluating an officer's performance as a member of a court - martial; prohibits rating officers from giving rating officer less favorable rating because of the zeal with which he represented any accused before a court-martial.

Flashing Bus Light Means Stop



FLASHING RED LIGHTS MEAN STOP — Like a guardian angel, those flashing red lights mean that precious cargo is being unloaded, also that there is a state law requiring all vehicles to stop while the red lights are flashing. An alarming amount of infractions occurred in one day recently — 32 violations during the morning rush hour.

Use Judgment When Buying Toys

The majority of toy accidents, whether eye injuries from miniature bows and arrows or burns from chemical set explosions, occur when toys are misused.

Too many fathers think their three-year-old sons are advanced enough, mentally and physically, for a metal construction set, or that their six-year-old is ready for a chemistry set.

When buying for infants, most important factor to consider is eye appeal. Toys should not have detachable parts, they should be non-breakable, with no sharp edges, and coated with nontoxic paint.

From one to two years old, a child loves to investigate the world. Push - pull toys, small rattle blocks, cuddly animals and dolls, sand toys and music boxes are appropriate gifts for this age group.

Two and three - year - olds love to experiment. Small flexible dolls, simple housekeeping toys, small cars, trucks, trains, pegboards, telephones, crayons and paper should be purchased for two - year - olds. Preferences for three - year - olds include wooden toys, large building blocks, planes, fire

Before purchasing check all toy surfaces for sharp edges or corners. In big winding toys, the spring should be enclosed in a cylinder that can stand shock if the spring breaks. Be sure that parts, particularly those of dolls or stuffed animals, are non-flammable.



ANNUAL CATHOLIC DINNER DANCE — About 300 persons attended the sixth annual Catholic dinner dance held on Friday, November 22 at the Community Center. International posters of natives of various countries carried out the "International Promenade" theme selected by the decorating committee. The Esquires, a local band, provided music for the affair. Mr. and Mrs. Mello were general chairmen for the event.

The Rocketeer

Official Weekly Publication U. S. Naval Weapons Center China Lake, California Capt. M. R. Etheridge, USN NWC Commander "1" Bibby Public Affairs Officer William P. Valente, Jr. Editor Frederick L. Richards Editorial Advisor Joan Raber News Bureau Ed Rank, Sports Staff Writer Lucille Edwards Editorial Assistant PH1 Gary D. Bird, PH2 Delmar E. Hart, PHAN Michael F. Krause, AN Maurice Dias. Staff Photographers



DIVINE SERVICES

Protestant (All-Faith Chapel)— Morning Worship—8:15 and 11 a.m. Sunday School—9:30 a.m., Chapel Annexes 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 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, 95 King Ave.)—Sundays, 7:30 p.m.

(Continued on Page 8)

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. Printed weekly with appropriated funds in compliance with NavExos P-35, revised July 1958. Office at Nimitz and Lauritsen. Phones — 71354, 71655, 72082

THE LOCKER ROOM

Falcons Drive For Five

BY ED RANCK



The Loewen's Falcons, defending champions of the China Lake Basketball League, returned to action this week as the 1968-69 roundball schedule opened at the Center gym on Tuesday night.

As has been the case in the last several years, the issue probably will not be decided until the final week of the schedule. In three of the last four years the Falcons defeated the NAF Hawks in a post-season playoff game.

The Falcons have been one of the more stable teams, personnel-wise, over the past few years and this, plus the fact that they usually acquire their share of talented newcomers, should make them the team to beat once again.

Loewen's will have a few familiar faces on this year's roster including Bruce Fagaly, Gary Jacobs, Jim Ayers and Dennis Henden. Fagaly and Jacobs are solid scoring threats while Ayers can be tough on a given night.

During the past four seasons it has been the Hawks who have provided the Falcons with their primary competition. The NAF club came close two years ago, losing to the Falcons, 89-79 in the post-season playoff.

NAF could come up with another fine team this year, but the Hawk squad will be loaded with new faces. The loss of playmaker Mike Barnes will hurt the team's chances.

On paper, the VX-5 Vampires would seem to be the heir apparent to the Hawks as the Center's top military team. VX-5 will have three starters returning, Ron Lyons, Gary Ellwanger and Terry Atkinson.

They are a fairly small team and don't figure to have too much board strength. Atkinson, one of the league's top scorers when he's hot, is out for a month with a broken finger.

Ace TV is the other team that appears to be strong. Ace will have a lot of familiar faces because the team is essentially the Engineers softball team, clad in underwear rather than knickers.

Blackwell, although not much of a scorer, gives the team strength on the boards. Burke is probably one of the most underrated players in the league.

The unknown ball clubs are OMD, NAF and the Hustlers. All three could be good, but because of the new faces it is impossible to rate these teams off of past performances.

Ace TV Downs Loewens

The Ace TV basketball team, who may have the best chance of ending the Loewen's Falcons four year reign as champions in the China Lake Basketball League, took a step in the right direction Tuesday evening as the 1968-69 season got underway.

Ace's victory spoiled a fine comeback effort on the part of the Falcons. After falling behind 14-4 in the first period, Loewen's narrowed the gap to 44-41 at the end of the third period, then tied the game

with less than a minute to go on a free throw by Jerry Tyler. Seconds later, Higgins ended it after having been fouled by Tyler.

Ted Baily led the Ace attack, scoring 21 points while Higgins chipped in with 14. Tom Mather was high for the Falcons with 12.

The VX-5 Vampires opened their season successfully, downing OMD, 75-44. The Vampires jumped to a 41-12 lead by half time then pulled away to 63-31 at the end of the third period.

Jack Herbstreit Inches Close To Perfect Game

Jack Herbstreit didn't break any records at the China Lake Bowl on Monday evening, but he probably came within an inch or two of becoming the first man to hit a 300 game at China Lake.

Herbstreit finished with a 645 series, second to Dick Furstenburg who hit 653. Furstenburg had games of 234-217-202 to lead the Blue Bird team to a 2969 series.

The Blue Bird's won three games to throw the race in the Premier into virtually a four-way tie. As the season neared the halfway point, just 1 point separated the top four clubs.

Other top individual scores in the Premier included: Fred Dalpiaz 224-211 and 628; Ed Donohue 221-203 and 618; Bobby Lockwood 201-202-215 and 618; Bobby Kochman 221-219 and 615 and Earl Roby 258-615.

The Friday Mixed Foursome continued to be the second hottest league at the Bowl. In action last week, Dean Ray led the parade with 213-607 while Ray Schreiber took single game honors, hitting a 247 enroute to a 604 series.

Parachutists Practice



NO EMERGENCY — Just a routine jump by AE2 Gerald L. Wiebe of the China Lake Sky Divers Club. Membership is open to all military, fees are \$10 for first five static line jumps and two freefalls (all equipment furnished), thereafter dues are \$2 per month.

Jack Leininger hit 223. Wilma Johnson led the ladies with a 525; Vi Kane had 514 and Erma Erickson rolled a 500. Vi Kane had high game with 208, Lorraine Johnson had 201 and Maggie Branson hit a 200.

In the Midway League Bill Esch was high with 205-222 and a 596 while Bob Owens had top single game with 227. Other top individual games included Byron Nelson at 224 and Ken Dalpiaz at 219.

Eight bowlers topped the 500 mark in the Women's Scratch League with Dotty Duncan leading the way at 213-587.

Vampires Win Flag Football Again



VAMPIRES RETAIN CHAMPIONSHIP—The VX-5 Vampires, having won their second consecutive China Lake Flag Football Championship, gathered for trophy presentations recently. Pictured are: (front row, l-r) Joaquin Nunes, Tom Parrot, George

Benton, Red Aucoin and John Shivers. Back row, (l-r) Jerry Hoblit, Bill Pettit, Russ Draper, Terry Atkinson, Ray Seeton, Stu Fitrell, Gerald Prophet, Bill Eaton, Gary Black, Ron Lyons, Danny Langhorne and Gary Ellwanger.

Command Holds Quarterly Inspection

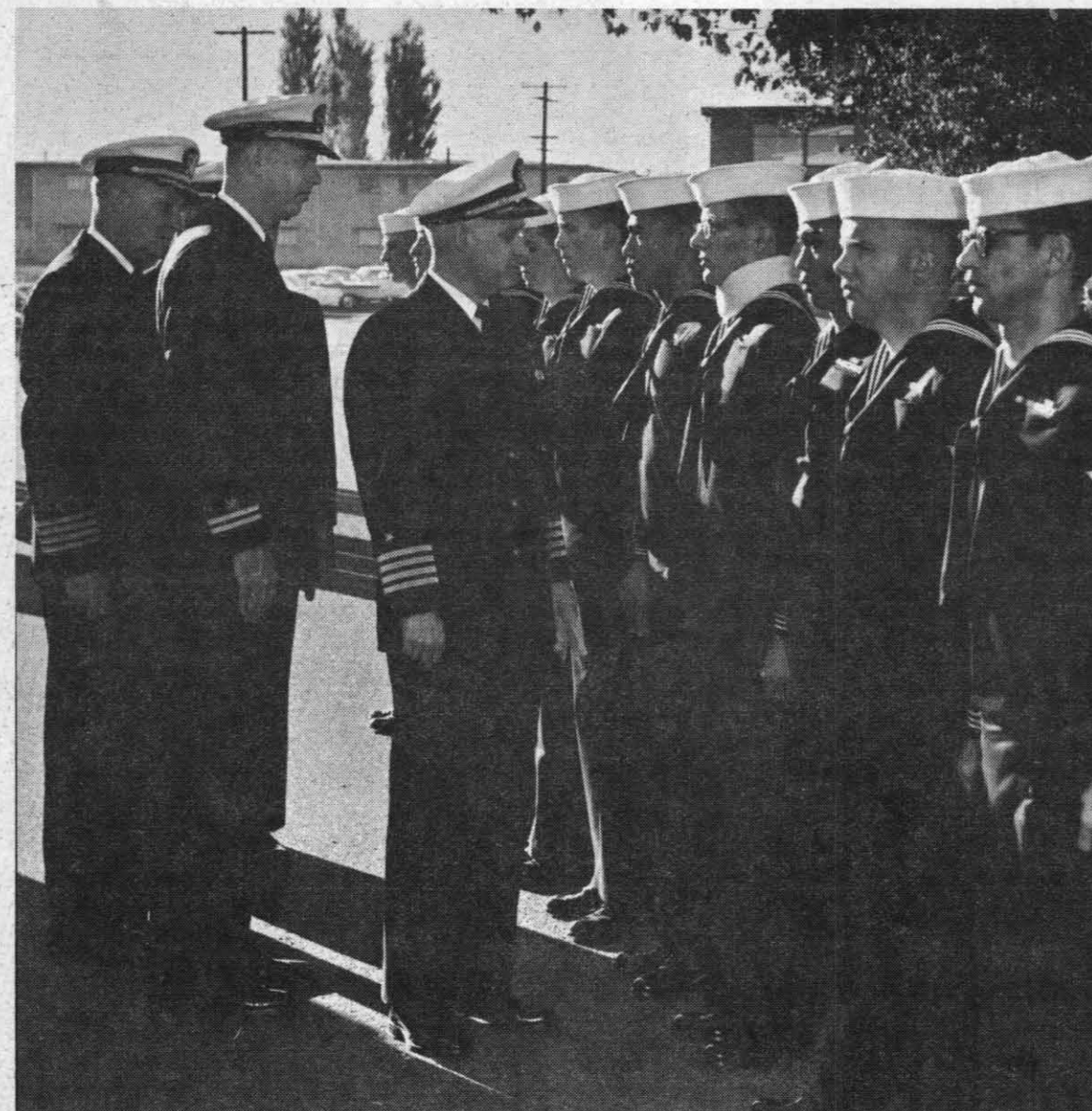
Commendations Given for Valor, Professionalism

Last Friday morning, November 22, during the regularly scheduled Quarterly Command Personnel Inspection, six awards were made to members of the military organization at China Lake by Capt. R. Williamson, II, NWC Executive Officer.

Capt. J. O. Thornton, USMC, was awarded the Navy Commendation Medal with Combat "V" for meritorious service while serving as Ordnance Officer of Marine Fighter/Attack



KINNARD Meritorious Unit Commendation SHEETS Letter of Commendation DART Navy & Marine Corps Medal CHIPMAN Meritorious Unit Commendation REEDER Achievement Medal with Combat "V" THORNTON Commendation Medal with Combat "V"



Squadron 122 . . ." Lt. (j.g.) Terry L. Reeder, USN, was awarded the Navy Achievement Medal with Combat "V" for meritorious service while attached to and serving in USS GURKE (DD-783) as Assistant Gunnery Officer . . ."

SK2 Larry E. Chipman and BMC James J. Kinnard, USN received Meritorious Unit Commendations:

ETR3 Timothy J. Dart, USN received the Navy and Marine Corps Medal "for heroic conduct while serving at the Naval Weapons Center, China Lake . . ."

GMG1 Joseph H. Sheets, USN, received a Letter of Commendation from the Commanding Officer of the USS BIDDLE (DLG-34) for superior professional performance of duty while attached to that command.

Captain Williamson, acting for NWC Commander M. R. Etheridge, also expressed his personal congratulations to the men for their exceptional achievement.



ETR3 TIMOTHY J. DART was presented the Navy and Marine Corps Medal for "his prompt actions, outstanding courage, and disregard for personal safety in the face of great danger" when rescuing a boy from the Kern River May 30, 1968.



NAVY COMMENDATION MEDAL, being pinned on Capt. Thornton, USMC, by Capt. Williamson, was given for "meritorious service while serving as Ordnance Officer of Marine Fighter/Attack Squadron 122, MAG 11, First MAW, in connection with operations against insurgent communist (Viet Cong) forces from September 1967 to September 1968.

EXECUTIVE OFFICER, Capt. R. Williamson, II, reviews the troops at command personnel inspection held November 22.



THE NAVY ACHIEVEMENT MEDAL was presented to Lt. (j.g.) Terry L. Reeder by Capt. Williamson "For meritorious service while serving in USS GURKE (DD-783) as Assistant Gunnery Officer from December 1967 to May 1968.

Death Valley '49ers Encampment Draws Record Crowds to 4-Day Event

It is fortunate for the organization known as the Death Valley '49ers, Inc., to have such a wide expanse of country as the Death Valley National Monument to hold their annual commemorative Encampment. Each year since the group's inception in 1949 the attendance at the Encampment has increased by the thousands — this year 29,504 as compared to 20,946 last year.

Held Friday, November 8 through Monday, November 11, the outdoor conclave recalled historical incidents and events of the year 1849 when emigrant parties crossed the Valley seeking the California gold regions.

Highlight of this year's meeting was the dedication of a permanent monument and plaque at the historical site of Old Stovepipe Wells, the only waterhole in the sand dunes during the bonanza days of Rhyolite and Skidoo. Mathew H. Ryan, Acting Chief Ranger of Canyonlands National Park was the featured speaker at the program headed by Robert Murphy, Superintendent of the Death Valley National Monument.

Edward P. Jones, President of the DV '49ers paid high tribute to those responsible for the planning and production and supervision of this year's highly successful Encampment. He praised the efficient work of Robert Murphy and

his DV Park Rangers, and the '49ers production teams headed by Hugh C. Tolford. Jones commended his entire staff and chairmen of the various educational and entertainment features of this 19th Encampment.

Even the weather man cooperated with the four-day encampment planners, coming up with warm, sunny days and balmy nights. Visitors to the Valley came from all parts of the 11 Western States, bringing with them 9,242 vehicles, including campers and travel-trailers. Rangers reported 5,395 people attended the Burros Flapjack Sweepstakes. A total of 1,822 were present at the various breakfast meetings sponsored by authors, artists and photographers.

J. Emil Morhardt, newly elected 1969 president of the '49ers, accepted an invitation from Captain M. R. Etheridge, NWC Commander, to hold the '49ers board of directors meeting at the Center, January 18, 1969. Morhardt said he expects next year's Encampment, the 20th, to surpass all records in public participation with the '49ers programs of perpetuating pioneer and historic observances in the Western United States.

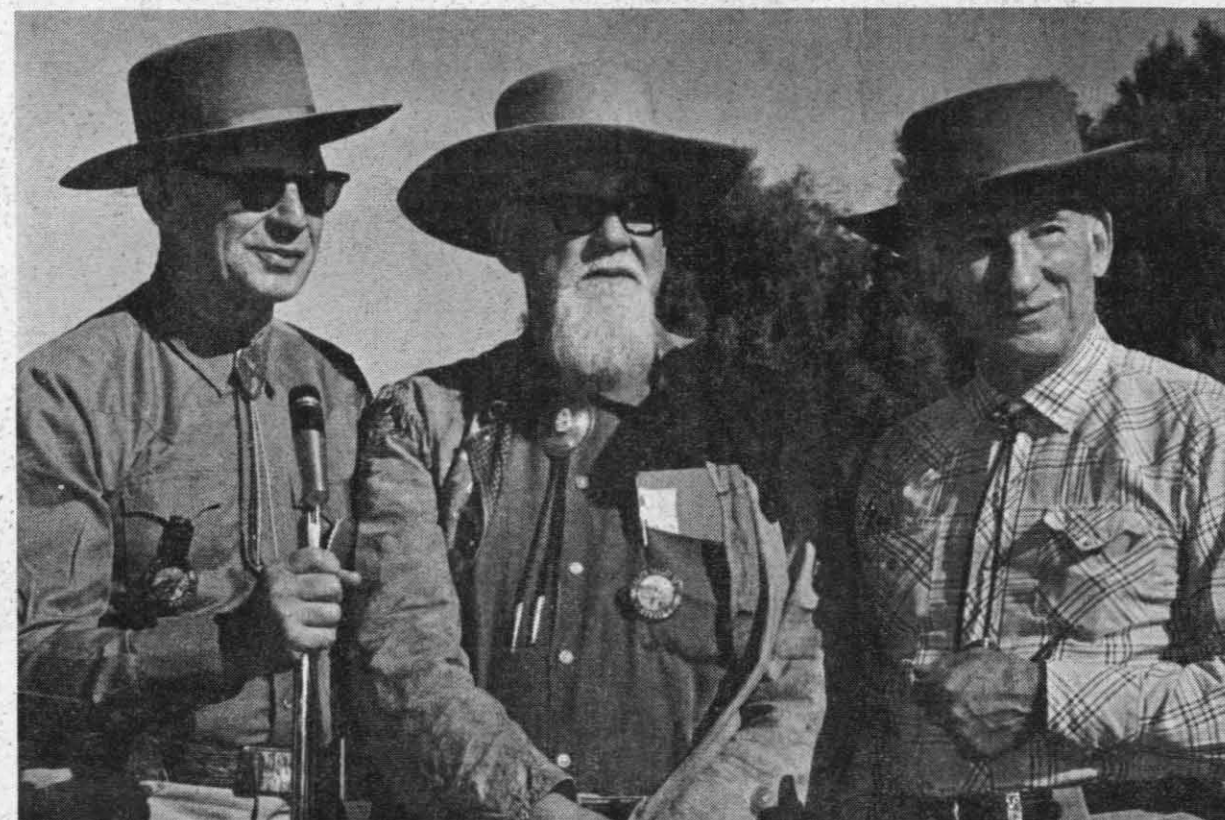
Photography by Frederick L. Richards



J. EMIL MORHARDT—The new Death Valley '49ers president for the year 1969 also received the Artists' Artist Award in the invitational group. A resident of Bishop, Morhardt served the '49ers as 2nd vice president.



OLD STOVEPIPE WELLS — Mrs. L. Burr Belden and Mrs. Trevor Povah show visitors old hand pump and stovepipe during monument dedication ceremonies in Death Valley.



FEATURED SPEAKER Dr. Arthur Woodward from Patagonia, Arizona, (center) is introduced by '49ers president Edward P. Jones (l). Woodward spoke to an audience of 454 at the Authors' Breakfast about Wagons West. D. C. Meadows (r) was chairman.



SYMBOLIC OF THE '49ERS — This worn and weathered covered wagon of bygone days is one of many such relics to be seen throughout Death Valley National Monument. Parked opposite hotel at Stovepipe Wells Village, it now lures photographers.



PROMINENT AUTHORS — Some of the well-known producers of desert literature meet with the superintendent of Death Valley National Monument Robert Murphy (2nd from right) at the Authors' Breakfast, Furnace Creek Ranch. Shown at the book corral are (l-r) L. Burr Belden, Paul D. Bailey, Randall Henderson and Mary DeDecker.



MODERN '49ERS — Happy reunion of three DV '49ers directors and their ladies are (l-r) Capt. C. Blenman, Jr., NWC commander 1961-64; Mrs. Blenman, "J" Bibby, Mrs. Bibby, Mrs. Matt Ryan and (front) Matt Ryan, Acting Chief Ranger, Canyonlands Park, and formerly of Death Valley.



COLORFUL TRIO — Indian Princess White Feather is flanked by prospectors (l-r) Blackie Dillon and Tumbleweed Harris from Knotts Berry Farm. They served as models.



ELLIE POVAH shows original stovepipe that marked early water hole at site newly dedicated with monument.



WILD BILL REYNOLDS of Ridgecrest makes sure wheel of wagon is secure before he drives to Stovepipe Wells.



PROSPECTOR STRIKES IT RICH — Jack Fisher of Trona gives his trusty burro an affectionate pat after judges award him 1st place in the Flapjack Sweepstakes. Helen Wallace in costume served as one of the contest judges.



WESTERN PAINTINGS — An impressive array of art in all mediums dominated the DV Visitors' Center and the Museum. At the Artists' Breakfast, Furnace Creek Ranch, Ardis M. Walker auctioned a painting for \$550 to the highest bidder, Mrs. C. M. Ward. All '49ers breakfast events were held on the golf course and drew a record number of visitors, some of which are shown in the photo at left.